B8560-1-UA

CITRUS FRUIT INDUSTRY STATISTICAL BULLETIN

Sunkist Growers, Inc.

INFORMATION RESOURCES DEPARTMENT

1990

INDEX

Table Number		Page
	INTRODUCTION	I
	Net Weight Per Carton, Fresh Fruit	1
1	Citrus Production, World and United States	2
	Charts - Production, World & United States	3
2	Citrus Production, California-Arizona	4
3	Citrus Bearing Acreage, California-Arizona	5
	ORANGES:	
4	Production in Selected Countries	6
	Chart - Production (Major Producing Countries)	7
5	Production and Utilization, U.S	8
	Chart - 1988-89 Production & Fresh Shipments,U.S	8
6	Production and Utilization, California-Arizona	9
	Chart - Utilization, California-Arizona	9
7	Utilization and Average On-Tree Returns, California-Arizona	10
8	Utilization and Average On-Tree Returns, Florida and Texas	11
9	Bearing Acreage and Production, U.S	12
	Chart - Production, U.S	12
10	Bearing and Non-Bearing Acreage, California-Arizona	13
	Chart - Bearing and Non-Bearing Acreage, California-Arizona	13
11	Producing and Marketing Costs, California-Arizona	14
12	Fresh Shipments, FOB Price and Average Size, California-Arizona	14
13	Auction Sales and Delivered Average Price, California-Arizona	15
14	1988-89 Size Percentage of Domestic Shipments, California-Arizona	15
15	Commercial Fresh Shipments (by Month), California-Arizona	16
16	Commercial Fresh Shipments (by Month), Florida-Texas	16
	Chart 1988-89 - Commercial Fresh Shipments, U.S	17
17	1988-89 Navel Shipments (by Week), California-Arizona	18
18	1988-89 Valencia Shipments (by Week), California-Arizona	19
	TANGERINES:	
19	Production in Selected Countries	20
	Chart - Production (Major Producing Countries)	21
20	Production and Utilization, U.S	22
	Chart - 1988-89 Production & Fresh Shipments, U.S	22
21	Bearing Acreage and Production, U.S	23
	Chart - Production, U.S	23

INDEX

Table Number		Page
	LEMONS:	
22	Production in Selected Countries	24
	Chart - Production (Major Producing Countries)	25
23	Production and Utilization, California and Arizona	26
	Chart - 1988-89 Production & Fresh Shipments, California & Arizona	26
24	Utilization and Average On-Tree Returns, California-Arizona	27
25	Bearing and Non-Bearing Acreage, California-Arizona	28
	Chart - Bearing and Non-Bearing Acreage, California-Arizona	28
26	Bearing Acreage, Production and On-Tree Returns, Florida	29
27	Bearing Acreage, Production and On-Tree Returns, Florida Limes	29
28	Fresh Shipments, FOB Price and Average Size, California-Arizona	30
29	Producing and Marketing Costs, California-Arizona	30
30	Fresh Shipments, Picks and Storage (by Month), California-Arizona	31
31	1988-89 Shipments and Picks (by Week), California-Arizona	32
32	1988-89 Estimated Storage (by Week), California-Arizona	33
	GRAPEFRUIT:	
33	Production in Selected Countries	34
	Chart - Production (Major Producing Countries)	35
34	Production and Utilization, U.S	36
	Chart - 1988-89 Production & Fresh Shipments,U.S	36
35	Production and Utilization, California-Arizona	37
	Chart - Utilization, California-Arizona	37
36	Utilization and Average On-Tree Returns, California-Arizona	38
37	Utilization and Average On-Tree Returns, Florida and Texas	38
38	Bearing Acreage, U.S	39
	Chart - Bearing Acreage, U.S	39
39	Producing and Marketing Costs, California-Arizona	40
40	Commercial Fresh Shipments (by Month), California-Arizona	40
41	1988-89 Shipments (by Week), California-Arizona	41

INDEX

Table Number		Page
	GENERAL:	
42	Per Capita Consumption, Fresh Citrus Fruits, U.S.	42
	Chart - Per Capita Consumption, Fresh Citrus Fruits, U.S.	42
43	Per Capita Consumption, Fresh Deciduous Fruit, U.S.	43
44	Production of Selected Fruits Competing with Citrus Fruits, U.S.	43
45	Per Capita Consumption, Frozen Citrus Fruits Juice, U.S.	44
46	Canned Citrus Juice, s.s., U.S.	44
47	Exports-Fresh Citurs Fruits, U.S.	45
48	Exports-Selected Citrus Juice-Not Concentrated, U.S.	46
	Charts - Exports-Orange & Grapefruit Juice-Not Concentrated, U.S.	46
49	Exports-Orange Juice Concentrated, U.S.	47
	Charts - Export-Orange Juice Concentrated, Frozen & Not Frozen, U.S	47
50	Fresh Exports-Oranges, Selected Countries	48
	Chart - Fresh Exports-Oranges, Selected Countries	48
51	Processed Oranges, Selected Countries	49
	Chart - Processed Oranges, Selected Countries	49
52	Fresh Exports-Tangerines, Selected Countries	50
	Chart - Fresh Exports-Tangerines, Selected Countries	50
53	Processed Tangerines, Selected Countries	51
	Chart - Processed Tangerines, Selected Countries	51
54	Fresh Exports-Lemons, Selected Countries	52
	Chart - Fresh Exports-Lemons, Selected Countries	52
55	Processed Lemons, Selected Countries	53
	Chart - Processed Lemons, Selected Countries	53
56	Fresh Exports-Grapefruit, Selected Countries	54
	Chart - Fresh Exports-Grapefruit, Selected Countries	54
57	Processed Grapefruit, Selected Countries	55
	Chart - Processed Grapefruit, Selected Countries	55
58	Exports-Orange and Lemon Oil, U.S.	56
	Charts - Exports-Orange & Lemon Oil, U.S.	56
59	Imports-Fresh and Prepared Citrus for Consumption, U.S.	57
60	Imports-Citrus Products for Consumption, U.S.	57
	U.S. TARIFF & TRADE DATA:	
61	Numerical Classification, Selected Fresh Citrus Products	58
62	Numerical Classification, Selected Processed Citrus Products	59
63	Customs Duties, Selected Fresh and Processed Citrus Fruit Products.	60-61

INTRODUCTION

This report contains statistical information related to the California-Arizona citrus industry and other selected citrus producing areas.

To maintain comparability among the various citrus areas in the United States, the statistical series are taken from sources published by Federal and States Agencies whenever possible. These sources may differ from the records maintained by the industry for the same data series due to variances in collection procedures.

Government sources are supplemented by the California-Arizona Citrus League, and other industry records, for information not gathered by the government agencies.

This statistical information is presented without analysis.

STANDARD NET WEIGHT PER CARTON, FRESH FRUIT

(In Pounds)

State	Oranges	Tangerines	Lemons	Grapefruit	Lemons
California	37.5	37.5	38.0	33.5	38.0
Arizona	37.5	37.5	38.0	33.5	38.0
Florida	*45.0	47.5	45.0	42.5	40.0
Texas	42.5	-	-	40.0	-

*Includes Temples, Tangelos and Honey Tangerines

TABLE 1

WORLD AND UNITED STATES CITRUS PRODUCTION
(1969-70 to 1988-89)

Season	*Oranges & Tangerines			Lemons			Grapefruit			Total		
	World	U.S.	U.S. % of World	World	U.S.	U.S. % of World	World	U.S.	U.S. % of World	World	U.S.	U.S. % of World
	Million Cartons		%	Million Cartons		%	Million Cartons		%	Million Cartons		%
1969-70	1,269.5	394.7	31.1	124.4	33.5	26.9	150.5	107.8	71.6	1,544.4	536.0	34.7
1970-71	1,399.4	406.9	29.1	139.1	35.8	25.7	176.8	121.1	68.5	1,715.3	563.8	32.9
1971-72	1,454.6	414.0	28.5	135.8	37.1	27.3	184.5	128.3	69.5	1,774.9	579.4	32.6
1972-73	1,648.5	477.8	29.0	159.1	47.6	29.9	192.9	131.3	68.1	2,000.5	656.7	32.8
1973-74	1,674.6	463.1	27.7	160.9	39.0	24.2	193.6	131.0	67.7	2,029.1	633.1	31.2
1974-75	1,827.2	509.4	27.9	196.9	61.4	31.2	185.2	123.2	66.5	2,209.3	694.0	31.4
1975-76	1,900.3	522.4	27.5	180.8	38.0	21.0	204.2	140.2	68.7	2,285.3	700.6	30.7
1976-77	1,810.4	517.3	28.6	190.2	52.8	27.8	210.3	149.2	70.9	2,210.9	719.3	32.5
1977-78	1,915.7	473.9	24.7	194.4	53.6	27.6	216.2	149.3	69.1	2,326.3	676.8	29.1
1978-79	1,909.3	453.3	23.7	154.3	41.7	27.0	210.3	134.8	64.1	2,273.9	629.8	27.7
1979-80	2,181.9	590.3	27.1	171.4	44.5	26.0	228.2	146.4	63.6	2,581.5	781.2	30.3
1980-81	2,085.2	519.5	25.0	189.7	65.0	34.3	217.4	135.7	62.4	2,492.3	720.2	28.9
1981-82	2,002.6	383.1	19.1	190.6	51.0	26.7	223.3	140.8	63.0	2,416.5	574.9	23.8
1982-83	2,045.5	478.4	23.4	179.5	50.7	28.2	198.0	121.2	61.2	2,423.0	650.3	26.8
1983-84	2,061.3	362.0	17.6	186.4	42.5	22.8	181.4	107.2	59.1	2,429.1	511.7	21.1
1984-85	2,017.2	338.0	16.8	180.4	51.6	28.6	183.1	111.6	61.0	2,380.7	501.2	21.1
1985-86	2,084.1	372.1	17.9	176.0	36.7	20.9	193.1	114.9	59.5	2,453.2	523.7	21.3
1986-87	2,174.4	388.2	17.9	216.2	58.4	27.0	211.6	127.5	60.3	2,602.2	574.1	22.1
1987-88	2,158.4	426.3	19.8	189.4	42.3	22.3	218.4	137.4	62.9	2,566.2	606.0	23.6
1988-89	2,308.4	440.6	19.1	190.8	41.0	21.5	224.5	140.0	62.4	2,723.7	621.6	22.8

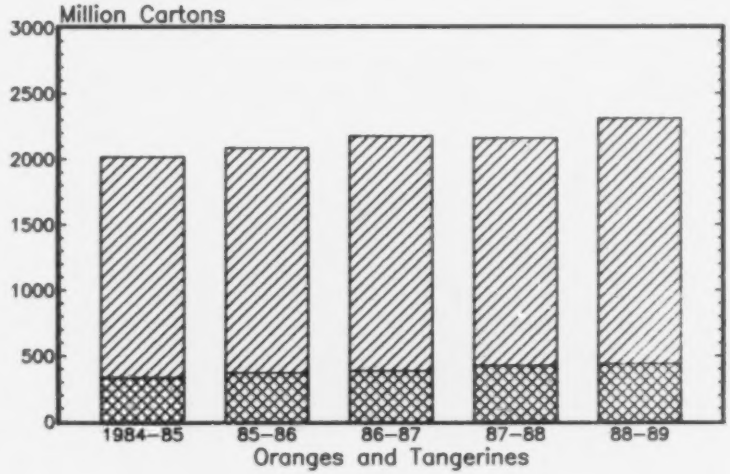
*: Includes Temples and Tangelos

Source: USDA, Foreign Agricultural Service - Foreign Agriculture Circular; Crop Reporting Board - Citrus Fruits by States; Florida Crop and Livestock Reporting Service - Florida Citrus.

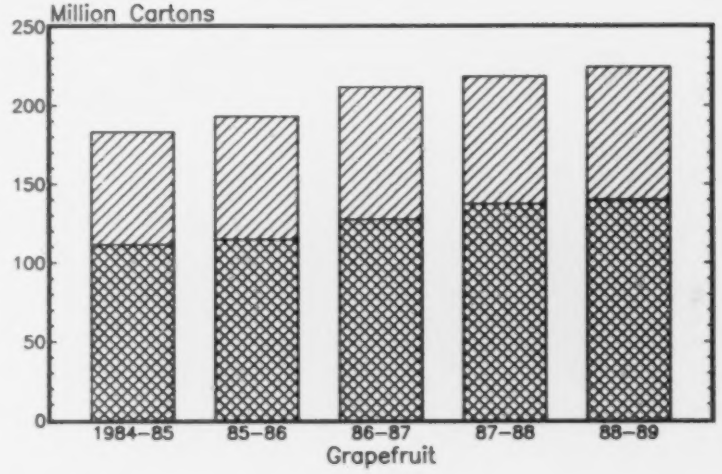
WORLD CITRUS PRODUCTION
1984–85 through 1988–89

United States

Other Producing Countries

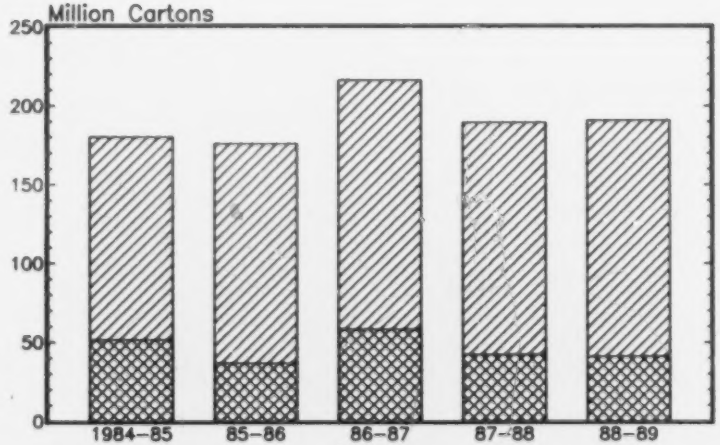


Oranges and Tangerines

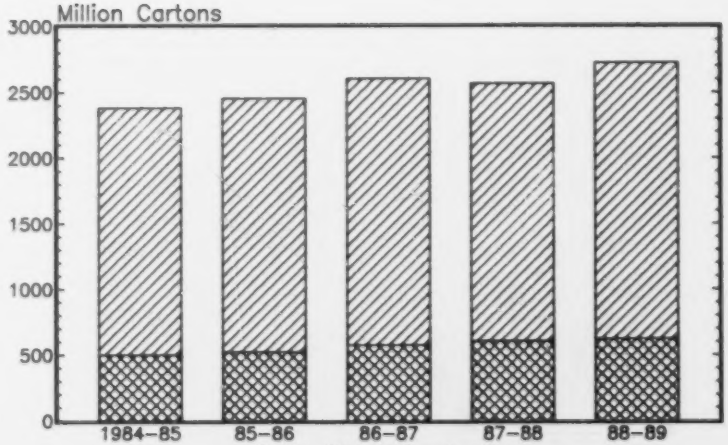


Grapefruit

(Origin: Table 1)



Lemons



Total Citrus Production

TABLE 2

CALIFORNIA-ARIZONA CITRUS PRODUCTION
(1959-60 to 1988-89)

Season	Navels & Miscellaneous	Valencias	Total Oranges	Tangerines	Lemons	Grapefruit	Total
			1,000 Cartons				
1959-60	28,120	36,480	64,600		36,460	11,840	112,900
1960-61	18,880	33,440	52,320		28,680	9,960	90,960
1961-62	16,080	27,800	43,880	520	33,480	10,420	88,300
1962-63	26,080	34,240	60,320	420	25,980	9,340	96,060
1963-64	31,860	35,940	67,800	580	38,080	14,820	121,280
1964-65	31,740	33,340	65,080	1,080	28,420	14,260	108,840
1965-66	39,320	38,520	77,840	1,060	31,540	16,000	126,440
1966-67	36,520	46,100	82,620	1,600	35,820	13,360	133,400
1967-68	20,060	24,480	44,540	1,420	33,700	16,716	96,376
1968-69	39,740	59,620	99,360	1,620	31,620	15,140	147,740
1969-70	44,380	42,880	87,260	2,220	31,040	16,820	137,340
1970-71	37,320	44,800	82,120	3,060	32,900	15,120	133,200
1971-72	46,400	50,200	96,600	3,660	33,360	15,880	149,500
1972-73	39,520	54,800	94,320	4,260	44,400	16,880	159,860
1973-74	44,700	42,920	87,620	4,080	35,600	13,400	140,700
1974-75	57,640	62,300	119,940	4,300	58,800	19,420	202,460
1975-76	58,060	52,900	110,960	3,920	35,240	20,560	170,680
1976-77	52,800	45,700	98,500	4,940	52,000	21,400	176,840
1977-78	41,640	50,800	92,440	4,000	52,200	22,720	171,360
1978-79	43,000	37,400	80,400	3,800	39,200	16,760	140,160
1979-80	66,900	58,900	125,800	4,800	41,500	21,000	193,100
1980-81	79,300	56,400	135,700	5,120	62,600	21,720	225,140
1981-82	54,800	35,100	89,900	4,960	49,600	17,100	161,560
1982-83	82,500	77,300	159,800	6,500	50,700	20,000	237,000
1983-84	68,500	32,100	100,600	6,000	42,500	19,020	168,120
1984-85	53,700	56,000	109,700	4,760	51,600	23,600	189,660
1985-86	67,200	45,200	114,200	5,000	36,700	21,000	175,100
1986-87	71,000	50,200	121,200	6,260	57,200	24,100	208,760
1987-88	64,220	57,420	121,640	5,380	41,300	22,100	190,420
1988-89	69,100	48,300	117,400	5,380	40,444	20,900	183,680

Prior to 1961-62 Navels & Miscellaneous includes small amount of Tangerines.
Source: USDA, Crop Reporting Board - Citrus Fruits by States.

TABLE 3

CALIFORNIA-ARIZONA CITRUS BEARING ACREAGE
(1959-60 to 1988-89)

Season	Navels & Miscellaneous	Valencias	Total Oranges	Tangerines	Lemons	Grapefruit	Total
			1,000 Acres				
1959-60	63.0	83.1	146.1		56.2	13.1	215.4
1960-61	63.3	80.8	144.1		55.8	13.8	213.7
1961-62	62.6	77.7	140.3		56.0	15.3	211.6
1962-63	64.0	73.7	137.7		52.8	16.8	207.3
1963-64	64.5	74.9	139.4		53.5	17.9	210.8
1964-65	66.4	73.2	139.6		50.0	18.0	207.6
1965-66	67.7	73.2	140.9	5.8	48.6	19.1	214.4
1966-67	70.8	77.4	148.2	7.0	47.4	19.2	221.8
1967-68	74.5	86.2	160.7	9.2	47.4	19.5	236.8
1968-69	79.3	93.0	172.3	11.6	48.7	19.9	252.5
1969-70	84.2	98.8	183.0	12.5	47.1	19.9	262.5
1970-71	91.4	101.1	192.5	12.7	50.4	19.5	275.1
1971-72	100.3	104.4	204.7	14.5	52.0	20.2	291.4
1972-73	107.4	105.5	212.9	14.9	55.6	21.3	304.7
1973-74	113.8	104.9	218.7	16.1	63.4	23.4	321.6
1974-75	119.1	101.0	220.1	18.8	66.1	25.6	330.6
1975-76	122.0	96.7	218.7	17.6	67.6	26.7	330.6
1976-77(a)	122.2	90.7	212.9	16.3	68.3	26.9	324.4
1977-78	118.6	86.9	205.5	13.7	69.9	28.2	317.3
1978-79	117.0	84.9	201.9	12.3	68.9	28.5	311.6
1979-80	117.4	84.1	201.5	11.7	70.0	29.8	313.0
1980-81	115.3	80.6	195.9	11.5	71.9	29.9	309.2
1981-82	113.4	79.9	193.3	11.8	75.9	30.2	311.2
1982-83	114.1	76.0	190.1	12.4	71.5	28.5	302.5
1983-84	114.0	74.9	188.9	12.3	68.1	28.6	297.9
1984-85	112.2	74.0	186.2	11.9	66.6	28.2	292.9
1985-86	111.3	74.4	185.7	11.8	65.3	26.6	289.4
1986-87	110.3	73.5	183.8	11.8	63.9	26.7	286.2
1987-88	110.2	73.0	183.2	11.9	64.5	26.7	286.3
1988-89	108.9	73.3	182.2	11.5	63.8	26.4	283.9

Prior to 1965-66 Tangerines included in Navels and Miscellaneous.

(a) No Arizona Acreage survey for 1976-77 season.

Source: California Fruit & Nut Acreage; California Fruit & Nut Statistics; Arizona Fruit & Vegetable Standardization Service; Citrus Fruits by States; Orange Administrative Committees.

TABLE 4

ORANGE PRODUCTION IN SELECTED COUNTRIES
(1984-85 to 1988-89)

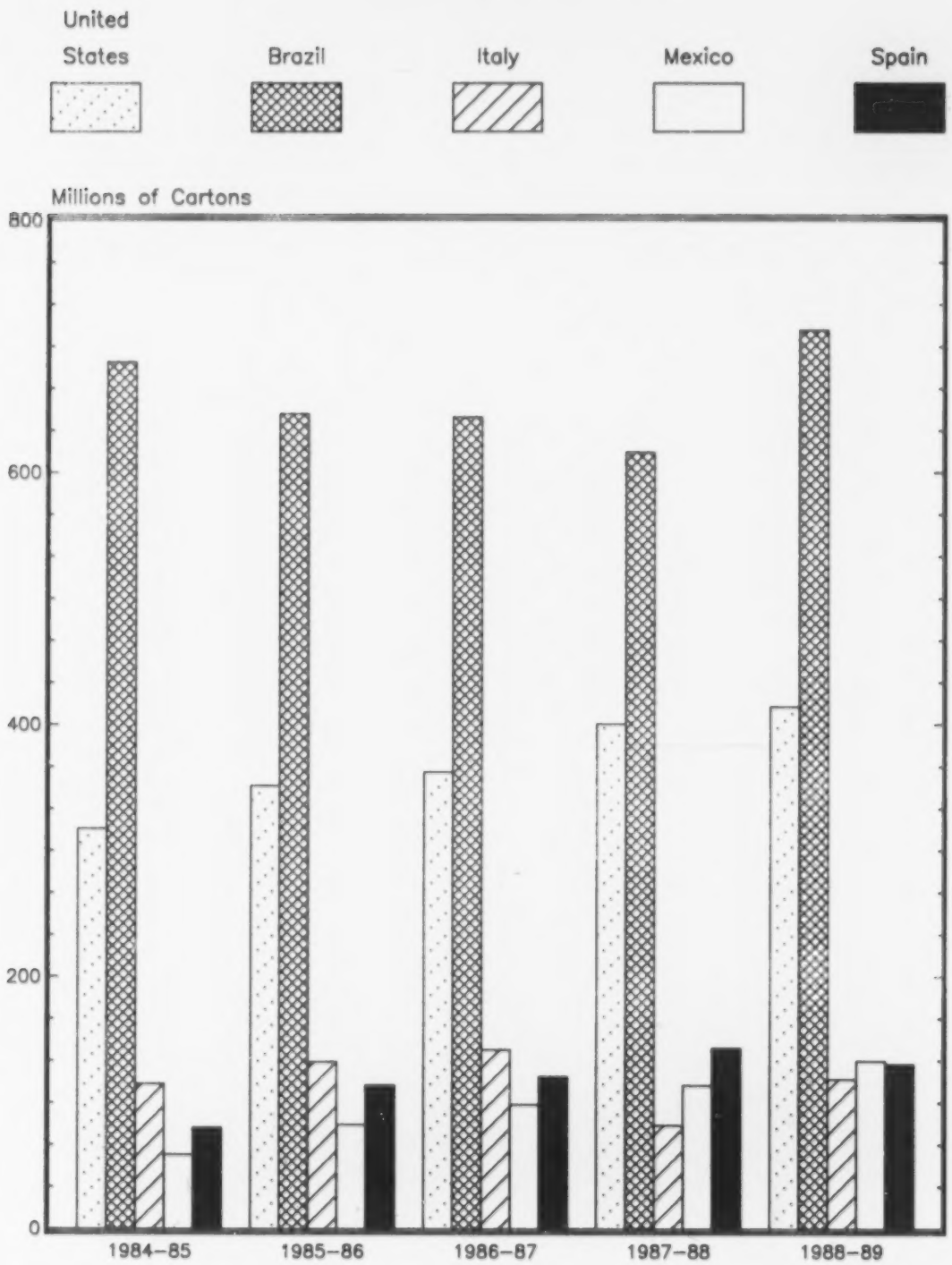
Countries	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5 lbs.)				
United States	317,500	351,420	362,350	400,500	414,300
Argentina	38,309	36,549	36,960	35,200	31,680
Australia	28,688	28,981	27,867	26,400	29,568
Brazil	687,280	646,213	643,867	616,000	712,800
Cuba	23,936	22,880	29,333	30,507	31,680
Cyprus	9,093	9,152	11,698	8,096	9,797
Gaza*	8,213	8,331	8,859	4,869	7,333
Greece	45,467	32,501	51,685	27,104	45,760
Israel	55,205	40,187	47,813	36,784	32,267
Italy	114,987	132,411	142,208	82,133	118,507
Lebanon	12,907	12,613	-	-	-
Mexico	58,667	82,720	98,736	113,931	133,056
Morocco	40,245	49,339	38,133	53,563	52,213
South Africa*	28,512	29,157	36,667	40,128	39,893
Spain	80,080	113,931	120,795	143,264	130,533
Turkey	44,587	29,627	44,000	41,067	44,000
U.A.R. (Egypt)	69,344	68,523	72,453	81,371	81,547
All Others	12,379	13,259	13,845	14,960	13,435
Total	1,675,399	1,707,794	1,787,539	1,755,877	1,928,369

* Includes Tangerines

Source: USDA, Foreign Agricultural Service - Foreign Agriculture Circular, Crop Reporting Board - Citrus Fruits by States.

ORANGE PRODUCTION

MAJOR PRODUCING COUNTRIES



(Origin: Table 4)

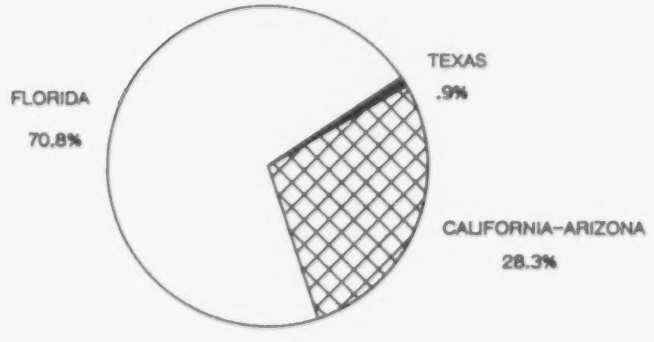
TABLE 5

U.S. ORANGE PRODUCTION AND UTILIZATIONS
(1979-80 to 1988-89)

Season	California-Arizona			Florida			Texas			Total		
	Total	Fresh		Total	Fresh		Total	Fresh		Total	Fresh	
	Million Cartons		%	Million Cartons		%	Million Cartons		%	Million Cartons		%
1979-80	125.8	83.4	66	413.4	22.0	5	8.1	4.2	52	547.3	109.6	20
1980-81	135.7	78.6	58	344.8	16.6	5	8.7	5.7	66	489.2	100.9	21
1981-82	89.9	71.0	79	251.6	15.2	6	11.9	6.6	55	353.4	92.8	26
1982-83	159.8	91.6	58	279.2	20.6	7	11.4	6.7	59	450.4	118.9	26
1983-84	100.6	78.1	78	233.4	15.3	7	5.0	2.8	56	339.0	96.2	28
1984-85	109.7	84.7	77	207.8	13.3	6	(a)	(a)	(a)	317.5	98.0	31
1985-86	114.2	90.9	80	238.4	17.9	8	0.62	0.58	94	353.2	109.4	31
1986-87	121.2	87.3	72	239.4	17.7	7	1.8	1.6	89	362.4	106.6	29
1987-88	121.6	85.5	70	276.0	19.0	7	2.9	2.6	90	400.5	107.1	27
1988-89	117.4	81.2	69	293.2	16.9	6	3.7	3.1	84	414.3	101.2	24

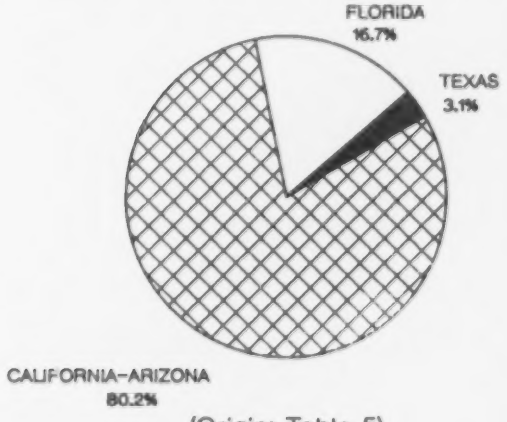
Temples not included. (a) Due to December 1983 freeze, no commercial supplies were harvested.
Source: USDA, Crop Reporting Board - Citrus Fruits By States

1988-89
U.S. ORANGE PRODUCTION



(Origin: Table 5)

1988-89
U.S. ORANGE FRESH SHIPMENTS



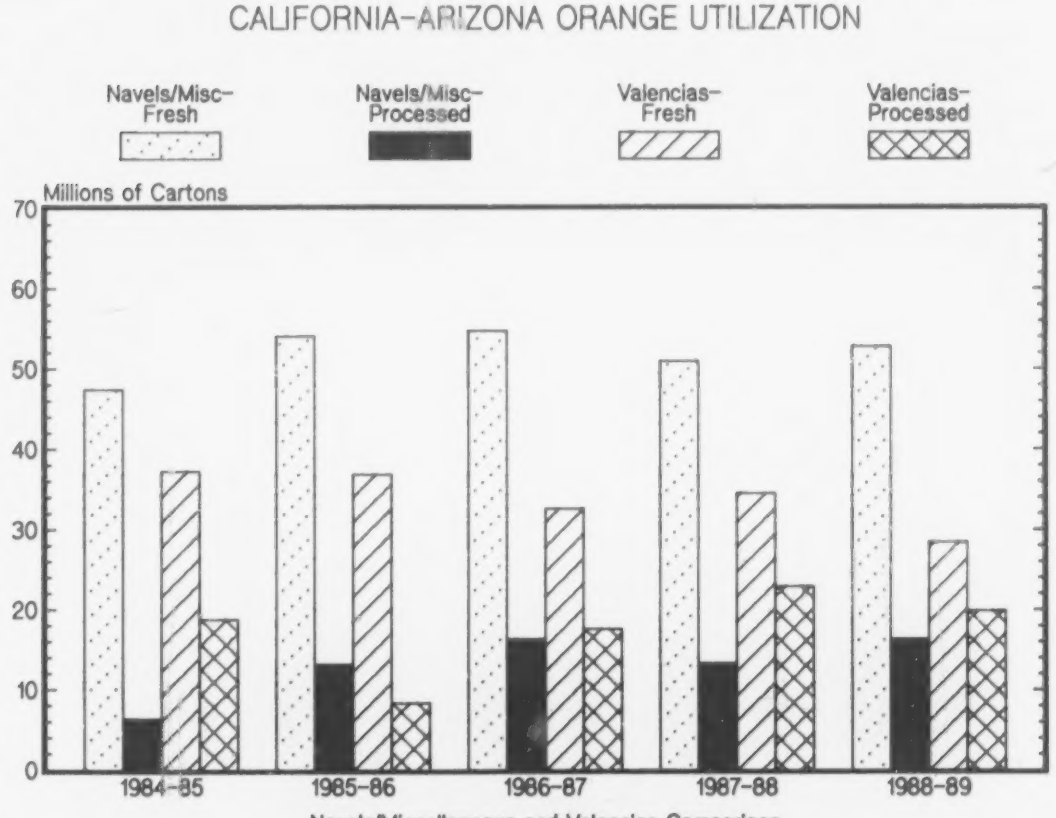
(Origin: Table 5)

TABLE 6

CALIFORNIA-ARIZONA ORANGE PRODUCTION AND UTILIZATION
(1979-80 to 1988-89)

Season	Navels & Miscellaneous			Valencia		
	Total	Fresh	Processed	Total	Fresh	Processed
	1,000 Cartons					
1979-80	66,900	44,700	22,200	58,900	38,660	20,240
1980-81	79,300	50,200	29,100	56,400	28,420	27,980
1981-82	54,800	43,840	10,960	35,100	27,200	7,900
1982-83	82,500	56,230	26,270	77,300	35,360	41,940
1983-84	68,500	51,660	16,840	32,100	26,460	5,640
1984-85	53,700	47,420	6,280	56,000	37,240	18,760
1985-86	67,200	54,060	13,140	45,200	36,860	8,340
1986-87	71,000	54,720	16,280	50,200	32,600	17,600
1987-88	64,220	50,940	13,280	57,420	34,510	22,910
1988-89	69,100	52,800	16,300	48,300	28,430	19,870

Source: USDA, Crop Reporting Board - Citrus Fruits By States



Navels/Miscellaneous and Valencias Comparison
(Origin: Table 6)

TABLE 7

California-Arizona Orange
UTILIZATION AND AVERAGE ON-TREE RETURNS
(1979-80 to 1988-89)

Season	Navels & Miscellaneous						Valencias					
	Utilization			On-Tree Returns			Utilization			On-Tree Returns		
	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total
	Million Cartons			Dollars per Carton			Million Cartons			Dollars per Carton		
1979-80	44.7	22.2	66.9	2.01	-0.19	1.28	38.7	20.2	58.9	1.64	0.13	1.12
1980-81	50.2	29.1	79.3	2.47	-0.65	1.33	28.4	28.0	56.4	3.12	0.38	1.76
1981-82	43.8	11.0	54.8	3.60	-0.52	2.77	27.2	7.9	35.1	5.87	0.08	4.57
1982-83	56.2	26.3	82.5	2.35	-0.23	1.53	35.4	41.9	77.3	1.94	0.02	0.90
1983-84	51.7	16.8	68.5	2.85	-0.62	2.00	26.5	5.6	32.1	7.24	0.09	5.99
1984-85	47.4	6.3	53.7	5.47	0.48	4.89	37.2	18.8	56.0	4.38	0.66	3.13
1985-86	54.1	13.1	67.2	3.63	-0.82	2.76	36.9	8.3	45.2	2.81	-0.59	2.18
1986-87	54.7	16.3	71.0	3.78	-0.88	2.71	32.6	17.6	50.2	4.92	-0.16	3.14
1987-88	50.9	13.3	64.2	3.94	-0.22	3.07	34.5	22.9	57.4	4.75	0.25	2.95
1988-89	52.8	16.3	69.1	3.86	-0.45	2.84	28.4	19.9	48.3	4.50	-0.12	2.60

Source: USDA, Crop Reporting Board - Citrus Fruits By States; Agricultural Prices.

TABLE 8

Florida and Texas Orange
UTILIZATION AND AVERAGE ON-TREE RETURNS
(1979-80 to 1988-89)

	Florida						Texas					
	Utilization			On-Tree Returns			Utilization			On-Tree Returns		
Season	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total
	Million Cartons			Dollars per Carton			Million Cartons			Dollars per Carton		
1979-80	22.0	391.4	413.4	2.08	1.85	1.86	4.2	3.9	8.1	2.34	1.65	2.00
1980-81	16.6	328.2	344.8	2.90	1.98	2.02	5.7	3.0	8.7	2.07	1.54	1.88
1981-82	15.2	236.4	251.6	3.26	2.07	2.14	6.6	5.3	11.9	2.01	1.64	1.85
1982-83	20.6	258.6	279.2	2.97	2.58	2.58	6.7	4.7	11.4	2.08	1.47	1.83
1983-84	15.3	218.1	233.4	3.87	2.81	2.88	2.8	2.2	5.0	2.05	1.35	1.74
1984-85	13.3	194.5	207.8	5.56	3.42	3.56	(a)	(a)	(a)	-	-	-
1985-86	17.9	220.5	238.4	2.67	1.92	1.97	0.58	0.04	0.62	4.65	2.00	4.48
1986-87	17.7	221.7	239.4	3.09	2.57	2.61	1.6	0.2	1.8	3.93	1.24	3.65
1987-88	19.0	257.0	276.0	3.98	3.78	3.79	2.6	0.3	2.9	4.03	1.64	3.78
1988-89	16.9	276.3	293.2	4.72	4.56	4.57	3.1	0.6	3.7	4.00	2.56	3.77

(a) Due to December 1983 freeze, no commercial supplies were harvested.
Source: USDA, Crop Reporting Board - Citrus Fruits By States; Agricultural Prices.
Florida Agricultural Statistics.

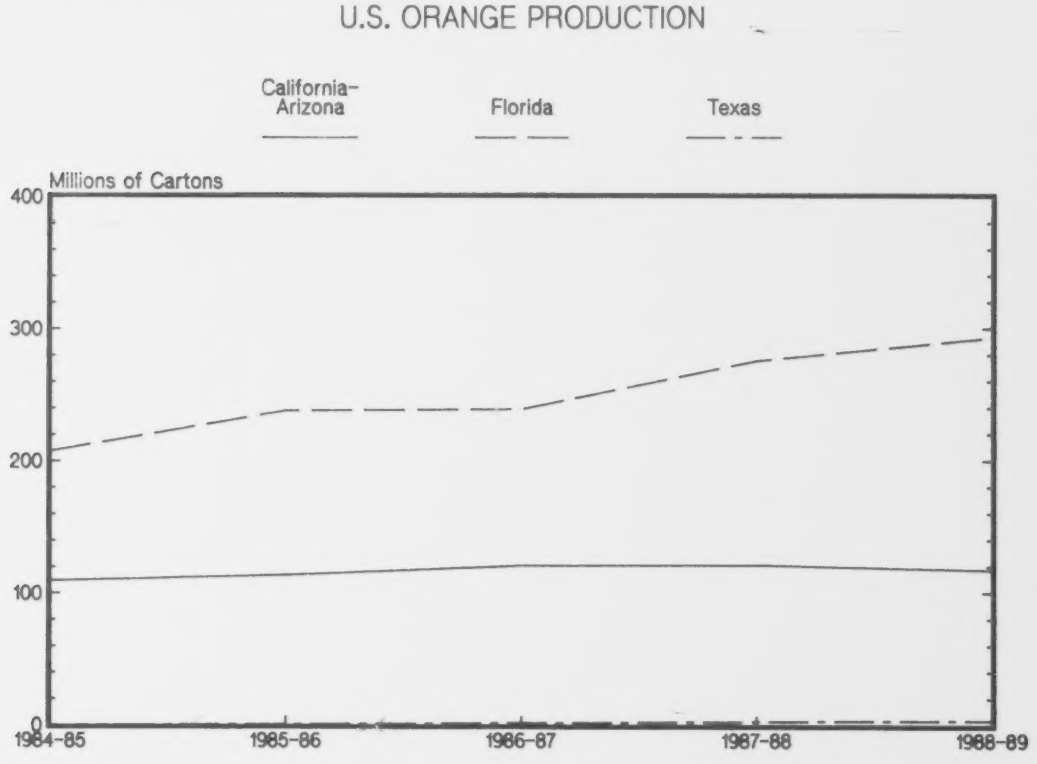
TABLE 9

U.S. ORANGE BEARING ACREAGE AND PRODUCTION
(1979-80 to 1988-89)

Season	California-Arizona		Florida		Texas		Total	
	Bearing Acreage	Production	Bearing Acreage	Production	Bearing Acreage	Production	Bearing Acreage	Production
	1,000 Acres	Million Cartons	1,000 Acres	Million Cartons	1,000 Acres	Million Cartons	1,000 Acres	Million Cartons
1979-80	201.5	125.8	576.6	413.4	27.8	8.1	805.9	547.3
1980-81	195.9	135.7	573.4	344.8	25.3	8.7	794.6	489.2
1981-82	193.3	89.9	560.2	251.6	23.7	11.9	777.2	353.4
1982-83	190.1	159.8	536.8	279.2	24.0	11.4	750.9	450.4
1983-84	188.9	100.6	530.3	233.4	24.3	5.0	743.5	339.0
1984-85	186.2	109.7	420.1	207.8	11.4	(a)	617.7	316.7
1985-86	185.7	114.2	367.6	238.4	8.3	0.62	561.6	351.4
1986-87	183.8	121.2	375.4	239.4	10.3	1.8	569.5	362.4
1987-88	183.2	121.6	380.2	276.0	11.9	2.9	575.3	400.5
1988-89	182.2	117.4	388.7	293.2	12.7	3.7	583.6	414.3

(a): Due to December 1983 Freeze no Commercial Supplies

Source: USDA, Crop Reporting Board - Citrus Fruits by States; California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service; Florida Agricultural Statistics.



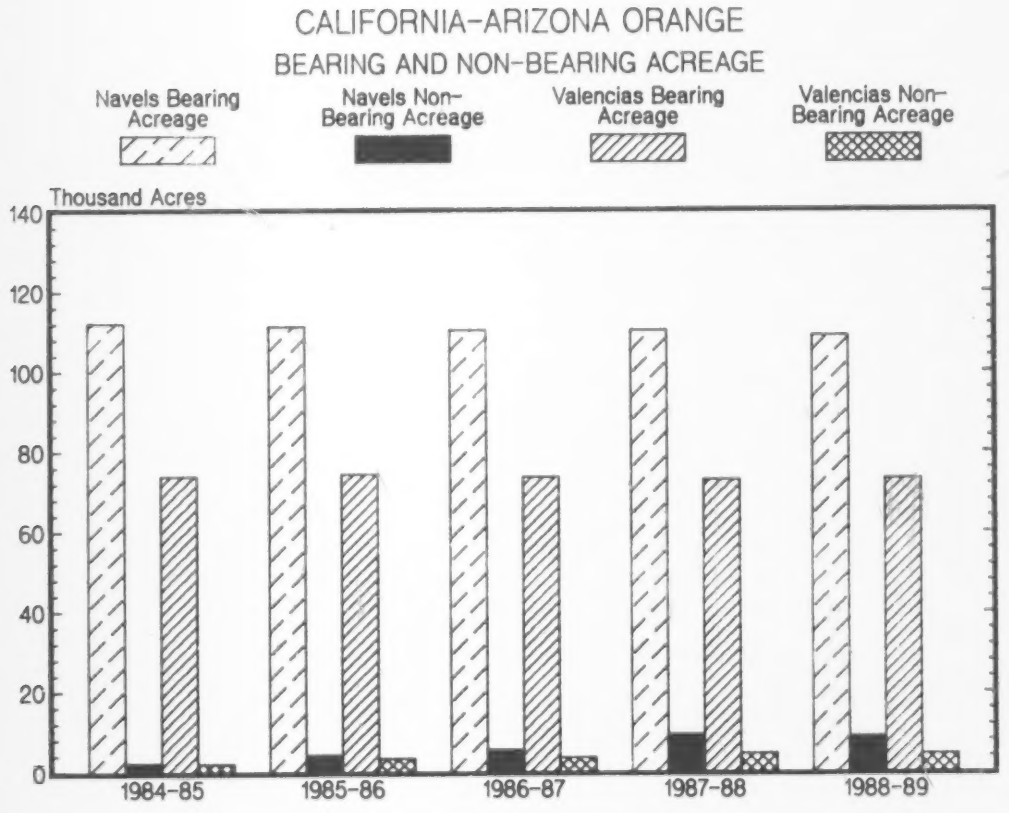
(Origin: Table 9)

TABLE 10

CALIFORNIA-ARIZONA BEARING AND NON-BEARING ACREAGE
(1979-80 to 1988-89)

Season	Navels & Miscellaneous			Valencias		
	Bearing	Non-Bearing*	Total	Bearing	Non-Bearing*	Total
	Acres					
1979-80	117,404	3,313	120,717	84,052	1,077	85,129
1980-81	115,298	3,188	118,486	80,635	1,190	81,825
1981-82	113,366	2,899	116,265	79,866	1,409	81,275
1982-83	114,052	2,380	116,432	75,970	1,640	77,610
1983-84	113,959	2,481	116,440	74,910	2,085	76,995
1984-85	112,186	2,292	114,478	73,951	2,042	75,993
1985-86	111,300	4,200	115,500	74,400	3,400	77,800
1986-87	110,300	5,500	115,700	73,700	3,600	77,300
1987-88	110,200	9,216	119,416	73,000	4,558	77,558
1988-89	108,900	8,760	117,660	73,300	4,445	77,745

Source: California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service; Orange Adm. Committee.



(Origin: Table 10)

TABLE 11

CALIFORNIA-ARIZONA ORANGE PRODUCING AND MARKETING COSTS
(1979-80 to 1988-89)

Season	Production	Bearing Acreage	Cartons Per Acre	Cultural Cost	Picking and Hauling	Packing	Selling and Advertising	Trans to New York
	1,000 Cartons	Acres	Cartons	Dollars Per Packed Carton Equivalent				
1979-80	125,800	201,456	624	2.27	0.71	1.56	0.34	1.88
1980-81	135,700	195,933	693	3.18	0.79	1.66	0.38	1.72
1981-82	89,900	193,232	465	4.70	0.82	1.79	0.42	1.82
1982-83	159,800	190,022	841	2.55	0.81	1.90	0.48	1.92
1983-84	100,600	188,869	533	5.25	0.82	2.02	0.51	2.48
1984-85	109,700	186,137	589	4.03	0.83	2.07	0.49	2.60
1985-86	112,400	185,700	605	4.19	0.82	2.08	0.51	2.75
1986-87	121,200	183,800	659	NA	0.86	2.20	0.50	2.75
1987-88	121,640	183,200	664	NA	0.87	2.24	0.51	2.75
1988-89	117,400	182,200	644	NA	0.87	2.27	0.52	2.75

NA: Not Available. Note: 1988-89 dollars are preliminary
Source: USDA, Crop Reporting Board - Citrus Fruits By States; California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service; California Arizona Citrus League; Sunkist Growers, Inc.; UCR; UAT; Orange Adm. Committees.

TABLE 12

California-Arizona Orange
FRESH SHIPMENTS, FOB PRICE AND AVERAGE SIZE
(1979-80 to 1988-89)

	Navels & Miscellaneous				Valencias		
Nov-April	Commercial Fresh Shipments	FOB Price	Average Size	May-Oct.	Commercial Fresh Shipments	FOB Price	Average Size
	Million Cartons	Dollars Per Ctn.	Oranges Per Ctn.		Million Cartons	Dollars Per Ctn.	Oranges Per Ctn.
1979-80	40.2	5.07	81	1980	33.6	5.12	95
1980-81	40.3	5.41	102	1981	25.0	6.47	106
1981-82	42.5	6.68	88	1982	21.4	9.99	100
1982-83	45.9	5.70	97	1983	30.6	5.33	108
1983-84	50.2	6.19	82	1984	22.2	11.35	105
1984-85	53.3	8.83	95	1985	30.4	7.66	112
1985-86	49.2	7.35	86	1986	31.7	7.27	98
1986-87	48.4	7.04	101	1987	23.6	8.27	115
1987-88	47.0	7.78	77	1988	28.4	8.58	107
1988-89	47.3	7.43	100	1989	28.0	8.44	111

Source: Orange Administrative Committee; Sunkist Growers, Inc.

TABLE 13

California-Arizona Oranges
AUCTION SALES AND DELIVERED AVERAGE PRICE
(1979-80 to 1988-89)

	Navels & Misc.		Valencias		Total Oranges	
	Volume Sold	Delivered Average	Volume Sold	Delivered Average	Volume Sold	Delivered Average
	1,000 Cartons	Dollars Per Carton	1,000 Cartons	Dollars Per Carton	1,000 Cartons	Dollars Per Carton
1979-80	1,216	5.93	1,013	6.41	2,229	6.15
1980-81	1,155	6.33	1,038	6.59	2,193	6.45
1981-82	489	7.51	649	8.99	1,138	8.35
1982-83	785	6.08	738	5.56	1,523	5.83
1983-84	466	6.37	374	10.49	840	8.20
1984-85	102	8.34	170	7.63	272	7.90
1985-86	39	7.54	47	8.10	86	7.85
1986-87	42	6.88	18	7.52	60	7.07
1987-88	24	8.08	12	7.35	36	7.84
1988-89	NA	NA	NA	NA	NA	NA

NA: Not Available
Source: Sunkist Growers, Inc.

TABLE 14

California-Arizona Oranges
SIZE PERCENTAGE OF DOMESTIC SHIPMENTS
(1988-89)

	Central		Southern		Desert	
Size	Navels	Valencias	Navels	Valencias	Navels	Valencias
	Percent					
40's & Larger	0.78	0.21	1.17	0.07	0.75	0.15
48	1.93	0.80	3.08	0.98	2.25	0.78
56	7.79	4.05	11.79	6.39	10.23	6.08
72	16.91	10.71	18.27	8.68	17.74	11.11
88	29.28	24.60	25.34	18.89	30.02	21.05
113	29.08	32.78	22.45	28.00	22.64	29.85
138	12.70	23.66	14.09	26.39	11.56	24.17
163	1.50	3.08	3.58	9.49	4.15	5.56
180	0.03	0.11	0.23	1.02	0.42	0.80
210's & Smaller	-	-	-	0.10	0.24	0.45
Avg. Size	096	107	095	113	095	109

Source: Navel & Valencia Orange Administrative Committees.

TABLE 15

California-Arizona Oranges
COMMERCIAL FRESH SHIPMENTS
(1979-80 to 1988-89)

Season	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
	1,000 Cartons												
1979-80	4,351	5,794	6,782	7,484	9,725	9,976	10,435	7,581	6,354	5,749	4,951	3,173	82,355
1980-81	4,071	5,854	7,255	6,868	9,493	9,398	9,629	7,413	5,421	3,700	4,329	4,382	77,813
1981-82	6,609	6,844	7,729	7,970	9,772	9,644	7,296	4,748	4,149	3,224	1,816	686	70,487
1982-83	4,656	6,858	8,868	8,359	9,713	10,517	11,225	8,306	5,285	4,678	5,498	5,254	89,217
1983-84	5,960	8,273	10,111	10,062	11,227	10,734	7,663	4,086	3,177	3,106	3,129	2,837	80,365
1984-85	7,629	6,041	8,800	8,775	10,033	9,409	7,680	4,677	4,247	4,471	4,934	5,185	81,881
1985-86	7,457	7,976	9,541	8,589	11,506	9,880	10,422	5,962	4,907	5,248	5,814	5,546	92,848
1986-87	7,203	7,203	9,050	8,177	10,469	10,494	10,293	6,093	4,522	4,080	4,578	3,675	85,837
1987-88	5,988	7,978	9,087	8,095	10,630	9,847	8,656	5,208	4,449	4,592	4,506	3,714	82,749
1988-89	5,515	8,286	9,065	8,713	10,579	10,463	8,661	5,803	4,823	4,548	4,431	3,660	84,547

Source: Orange Administrative Committee; Sunkist Growers, Inc.

TABLE 16

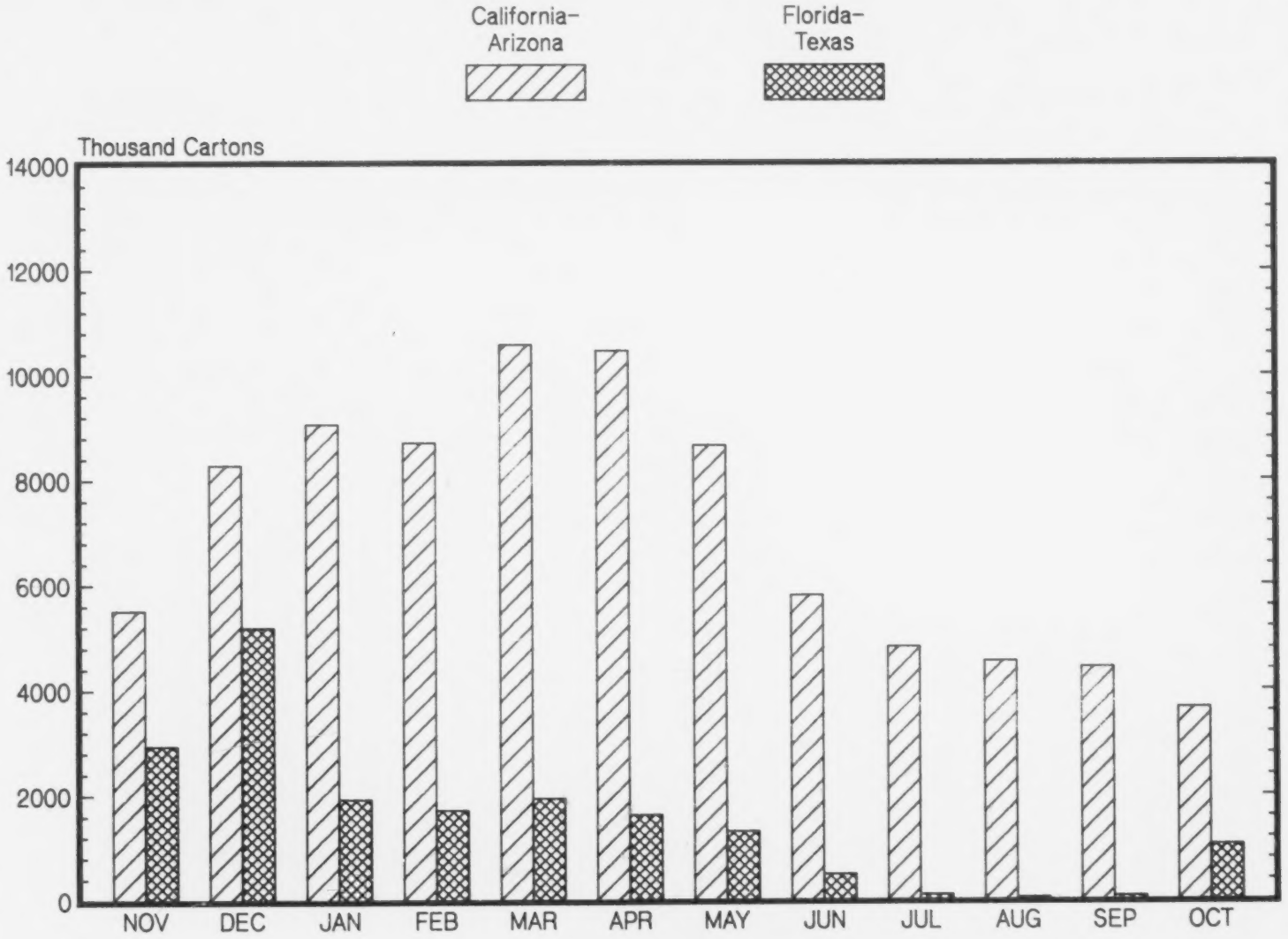
Florida - Texas Orange
COMMERCIAL FRESH SHIPMENTS
(1979-80 to 1988-89)

Season	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
	1,000 Cartons												
1979-80	3,464	5,160	2,397	2,844	2,677	2,375	2,062	916	349	64	56	1,633	23,997
1980-81	3,499	5,864	1,958	2,008	1,842	1,317	1,081	484	88	30	89	1,482	19,742
1981-82	2,692	5,499	1,803	1,827	1,940	1,738	1,431	429	15	2	461	2,085	20,642
1982-83	3,575	5,507	2,160	2,282	2,438	2,513	1,797	660	86	20	57	995	22,090
1983-84	3,216	5,678	1,181	1,170	1,169	1,093	948	327	21	13	66	1,051	15,933
1984-85	2,254	3,569	1,365	700	993	1,058	1,128	385	36	7	24	1,158	12,677
1985-86	2,304	4,611	1,848	1,613	1,765	2,060	1,552	562	212	6	29	1,183	17,745
1986-87	2,515	4,826	2,186	1,677	1,667	2,009	2,034	646	153	2	11	918	18,644
1987-88	2,814	5,201	2,270	2,186	1,967	2,078	2,016	798	144	15	2	1,355	20,846
1988-89	2,940	5,193	1,930	1,719	1,944	1,627	1,309	492	98	40	71	1,048	18,411

Note: 1984-85 No Commercial Shipments for Texas.
Source: USDA Federal-State Market News Service; Florida Agricultural Statistics - Citrus Summary.

UNITED STATES ORANGES

COMMERCIAL FRESH SHIPMENTS



1988-89 SEASON

(Origin: Tables 15 & 16)

TABLE 17

CALIFORNIA-ARIZONA NAVEL SHIPMENTS
(1988-89 Season)

Week Ending	Central-North		Southern		Desert		Total	
	Fresh	Products	Fresh	Products	Fresh	Products	Fresh	Products
	Carloads of 1,000 cartons each							
Oct. 13, 1988	12	3	-	-	-	-	12	3
20	24	8	-	-	-	-	24	8
27	111	34	-	-	1	-	112	34
Nov. 03	227	93	-	-	5	-	232	93
10	495	156	-	-	50	4	545	160
17	871	235	1	1	98	7	970	243
24	979	244	4	1	82	9	1,065	254
Dec. 01	1,306	248	7	1	91	11	1,404	260
08	1,964	356	78	19	113	13	2,155	388
15	1,919	415	149	52	105	14	2,173	481
22	1,584	327	158	55	72	14	1,814	396
29	824	158	141	59	32	7	997	224
Jan. 05, 1989	1,188	255	215	110	33	5	1,436	370
12	1,698	359	350	128	45	5	2,093	492
19	1,776	496	404	184	31	5	2,211	685
26	1,642	539	363	183	20	4	2,025	726
Feb. 02	1,750	638	361	204	18	2	2,129	844
09	1,686	500	405	178	22	-	2,113	678
16	1,783	509	323	148	2	-	2,108	657
23	1,728	772	373	225	-	-	2,101	997
Mar. 02	1,730	846	379	193	-	-	2,109	1,039
09	1,755	704	377	174	-	-	2,132	878
16	1,944	858	431	207	-	-	2,375	1,065
23	1,998	792	402	186	-	-	2,400	978
30	1,802	655	305	138	-	-	2,107	793
Apr. 06	1,929	647	276	147	-	-	2,205	794
13	2,028	716	226	116	-	-	2,254	832
20	1,959	711	209	117	-	-	2,168	828
27	1,694	642	150	109	-	-	1,844	751
May. 04	1,573	505	49	85	-	-	1,622	590
11	1,214	390	39	54	-	-	1,253	444
18	827	392	12	6	-	-	839	398
25	639	253	3	3	-	-	642	256
Jun. 01	398	224	-	4	-	-	398	228
08	271	184	-	5	-	-	271	189
15	117	72	-	-	-	-	117	72
22	10	32	-	-	-	-	10	32
29	2	6	-	-	-	-	2	6
TOTAL	45,457	14,974	6,190	3,092	820	100	52,467	18,166

Source: Navel Orange Administrative Committee.

TABLE 18

CALIFORNIA-ARIZONA VALENCIA SHIPMENTS
(1988-89 Season)

Week Ending	Central		Southern		Desert		Total	
	Fresh	Products	Fresh	Products	Fresh	Products	Fresh	Products
	Carloads of 1,000 cartons each							
Feb. 09,1989	-	-	-	-	-	3	-	3
16	-	-	-	-	8	5	8	5
23	-	-	-	-	48	11	48	11
Mar. 02	-	1	-	-	123	52	123	53
09	12	1	-	-	126	39	138	40
16	28	1	1	3	110	40	139	44
23	20	1	13	10	108	45	141	56
30	9	3	40	40	93	46	142	89
Apr. 06	14	16	82	69	70	45	166	130
13	24	19	145	92	89	55	258	166
20	40	18	240	180	97	71	377	269
27	51	16	322	254	128	107	501	377
May 04	238	60	394	339	127	150	759	549
11	378	94	417	307	116	89	911	490
18	566	171	463	289	111	83	1,140	543
25	669	311	470	336	105	68	1,244	715
Jun. 01	622	285	396	336	65	67	1,083	688
08	736	392	522	456	63	57	1,321	905
15	665	381	533	441	53	33	1,251	855
22	643	349	524	457	44	31	1,211	837
29	721	392	507	478	34	45	1,262	915
Jul. 06	628	225	371	373	17	17	1,016	615
13	666	286	525	472	7	5	1,198	763
20	626	261	478	491	2	2	1,106	754
27	601	307	467	470	1	1	1,069	778
Aug. 03	551	336	463	446	2	1	1,016	783
10	571	346	457	453	1	1	1,029	800
17	528	302	461	476	3	1	992	779
24	572	306	435	440	3	1	1,010	747
31	629	306	453	511	-	-	1,082	817
Sep. 07	621	284	381	365	-	-	1,002	649
14	689	331	420	473	-	-	1,109	804
21	612	340	411	403	-	-	1,023	743
28	602	364	412	458	-	-	1,014	822
Oct. 05	578	425	408	466	-	-	986	891
12	612	391	406	473	-	-	1,018	864
19	572	415	372	394	-	-	944	809
26	383	388	271	261	-	-	654	649
Nov. 02	214	173	262	259	-	-	476	432
09	87	102	237	202	-	-	324	304
16	33	68	166	191	-	-	199	259
23	9	20	75	149	-	-	84	169
30	6	3	36	36	-	-	42	39
Dec. 07	5	1	14	13	-	-	19	14
14	4	2	4	16	-	-	8	18
21	-	-	2	23	-	-	2	23
28	-	-	1	11	-	-	1	11
Jan 04	-	-	1	8	-	-	1	8
11	-	-	2	9	-	-	2	9
18	-	-	1	2	-	-	1	2
TOTAL	15,835	8,493	13,061	12,431	1,754	1,171	30,650	22,095

Source: Valencia Orange Administrative Committee.

TABLE 19

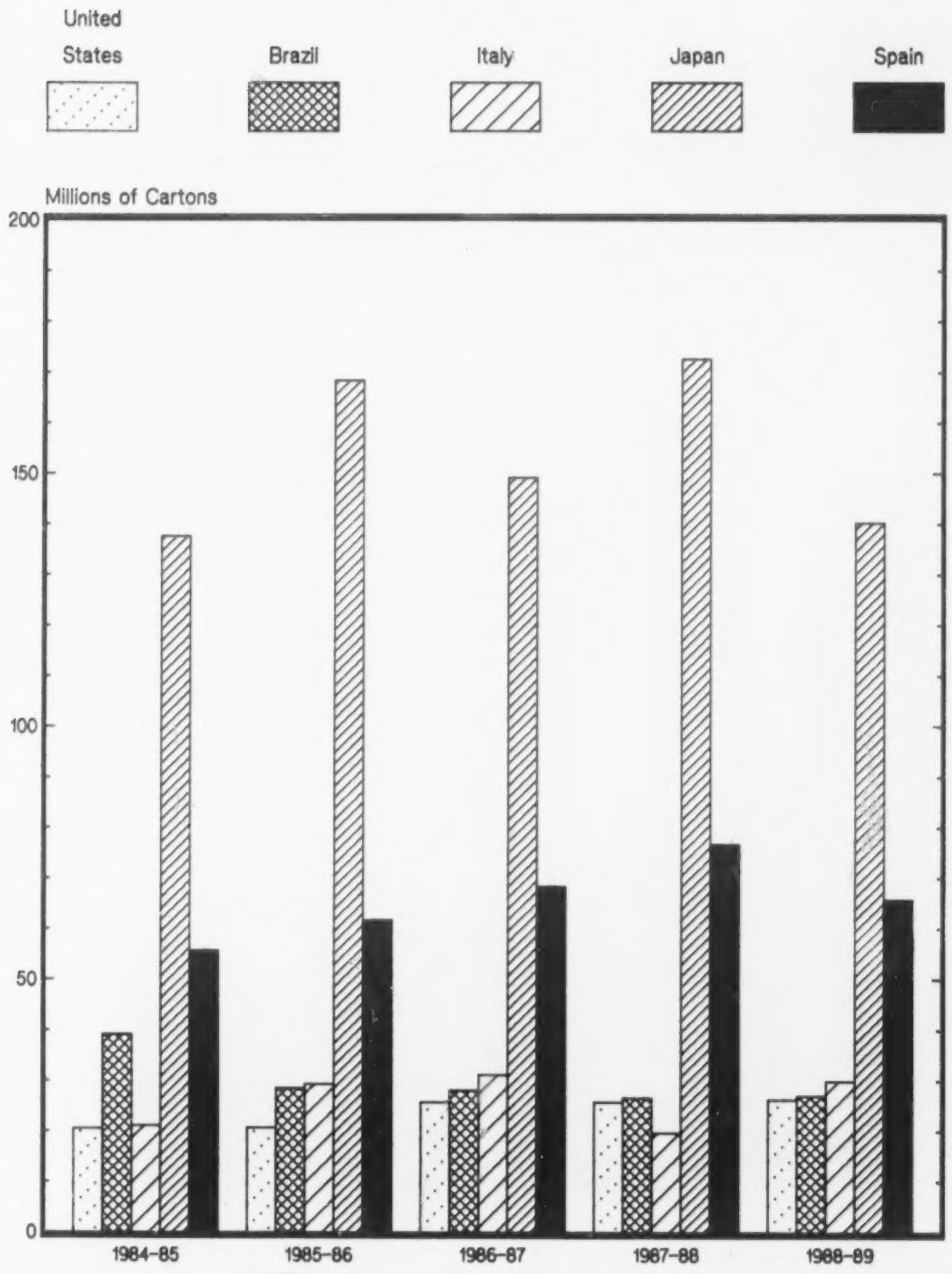
TANGERINES PRODUCTION IN SELECTED COUNTRIES
(1984-85 to 1988-89)

Countries	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5 lbs.)				
United States	20,560	20,700	25,740	25,780	26,280
Argentina	14,139	14,256	15,253	14,667	14,080
Australia	1,877	1,877	1,936	1,877	2,405
Brazil	39,189	28,512	28,101	26,576	26,987
Cuba	1,173	1,877	1,760	1,467	1,760
Greece	2,992	3,168	3,989	2,875	4,048
Israel	5,808	7,216	9,269	7,157	8,213
Italy	21,120	29,333	31,152	19,712	29,920
Japan	137,515	168,373	149,131	172,539	140,213
Lebanon	1,760	2,053	-	-	-
Mexico	3,931	7,216	7,685	8,859	9,211
Morocco	14,315	20,357	17,013	17,600	22,880
Spain	55,557	61,600	68,288	76,677	65,707
Turkey	12,848	15,077	17,600	16,427	18,773
U.A.R. (Egypt)	6,101	6,219	6,864	7,861	7,040
Uruguay	2,640	2,816	2,640	2,053	2,171
All Others	293	293	293	352	293
	341,818	390,943	386,714	402,479	379,981

Source: USDA, Foreign, Agricultural Service - Foreign Agriculture Circular, Crop Reporting Board - Citrus Fruits By States.

TANGERINE PRODUCTION

MAJOR PRODUCING COUNTRIES



(Origin: Table 19)

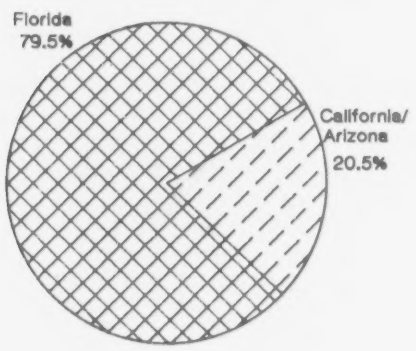
TABLE 20

U.S. TANGERINE PRODUCTION AND UTILIZATION
(1979-80 to 1988-89)

	California-Arizona			Florida			Total		
	Total	Fresh		Total	Fresh		Total	Fresh	
	1,000 Cartons		%	1,000 Cartons		%	1,000 Cartons		%
1979-80	4,800	2,450	51	38,200	16,798	44	43,000	19,248	45
1980-81	5,120	2,320	45	25,200	10,682	42	30,320	13,002	43
1981-82	4,960	3,140	63	24,800	9,070	37	29,760	12,210	41
1982-83	6,500	3,780	58	21,500	9,862	46	28,000	13,642	49
1983-84	6,000	3,640	61	17,000	7,524	44	23,000	11,164	49
1984-85	4,760	3,430	72	15,800	5,574	35	20,560	9,004	44
1985-86	5,000	3,600	72	15,700	6,880	44	20,700	10,480	51
1986-87	6,260	4,714	75	19,480	7,650	39	25,740	12,364	48
1987-88	5,380	4,048	75	20,400	8,602	42	25,780	12,650	49
1988-89	5,380	3,990	74	20,900	7,708	37	26,280	11,698	45

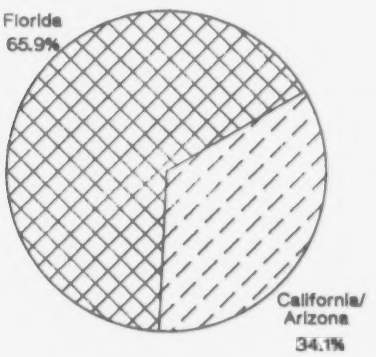
Includes: Temples, Royal Mandarins, Tangelos, Tangors and Honey Tangerines.
Source: USDA, Crop Reporting Board - Citrus Fruits By States; Florida Agricultural Statistics - Citrus Summary; Florida Citrus Mutual - Annual Statistical Report; Florida Annual Statistical Board.

1988-89
U.S. TANGERINE PRODUCTION



(Origin: Table 20)

1988-89
U.S. TANGERINE FRESH SHIPMENTS



(Origin: Table 20)

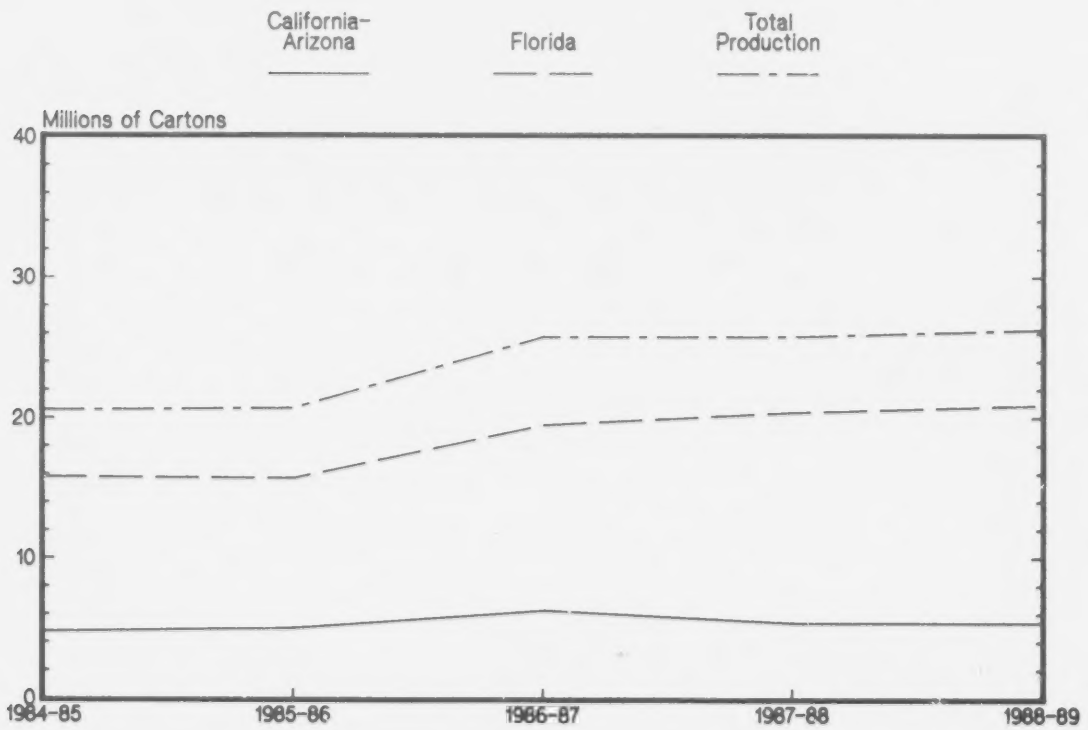
TABLE 21

U.S. TANGERINE BEARING ACREAGE AND PRODUCTION
(1979-80 to 1988-89)

Season	California-Arizona		Florida		Total United States	
	Bearing Acreage	Production	Bearing Acreage	Production	Bearing Acreage	Production
	1,000 Acres	1,000 Cartons	1,000 Acres	1,000 Cartons	1,000 Acres	1,000 Cartons
1979-80	11.7	4,800	58.9	38,200	70.6	43,000
1980-81	11.5	5,120	57.5	25,200	69.0	30,320
1981-82	11.8	4,960	53.5	24,800	65.3	29,760
1982-83	12.4	6,500	50.3	21,500	62.7	28,000
1983-84	12.3	6,000	44.0	17,000	56.0	23,000
1984-85	11.9	4,760	33.6	15,800	45.2	20,560
1985-86	11.8	5,000	28.3	15,700	40.3	20,700
1986-87	11.8	6,260	26.4	19,480	38.2	25,740
1987-88	11.9	5,380	26.3	20,400	38.2	25,780
1988-89	11.5	5,380	26.5	20,900	38.0	26,280

Includes: Temples, Royal Mandarins, Tangelos, Tangors and Honey Tangerines.
Source: USDA, Crop Reporting Board - Citrus Fruits By States; California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service; Florida Agricultural Statistics - Citrus Summary.

5-YEAR PRODUCTION OF TANGERINES



(Origin: Table 21)

TABLE 22

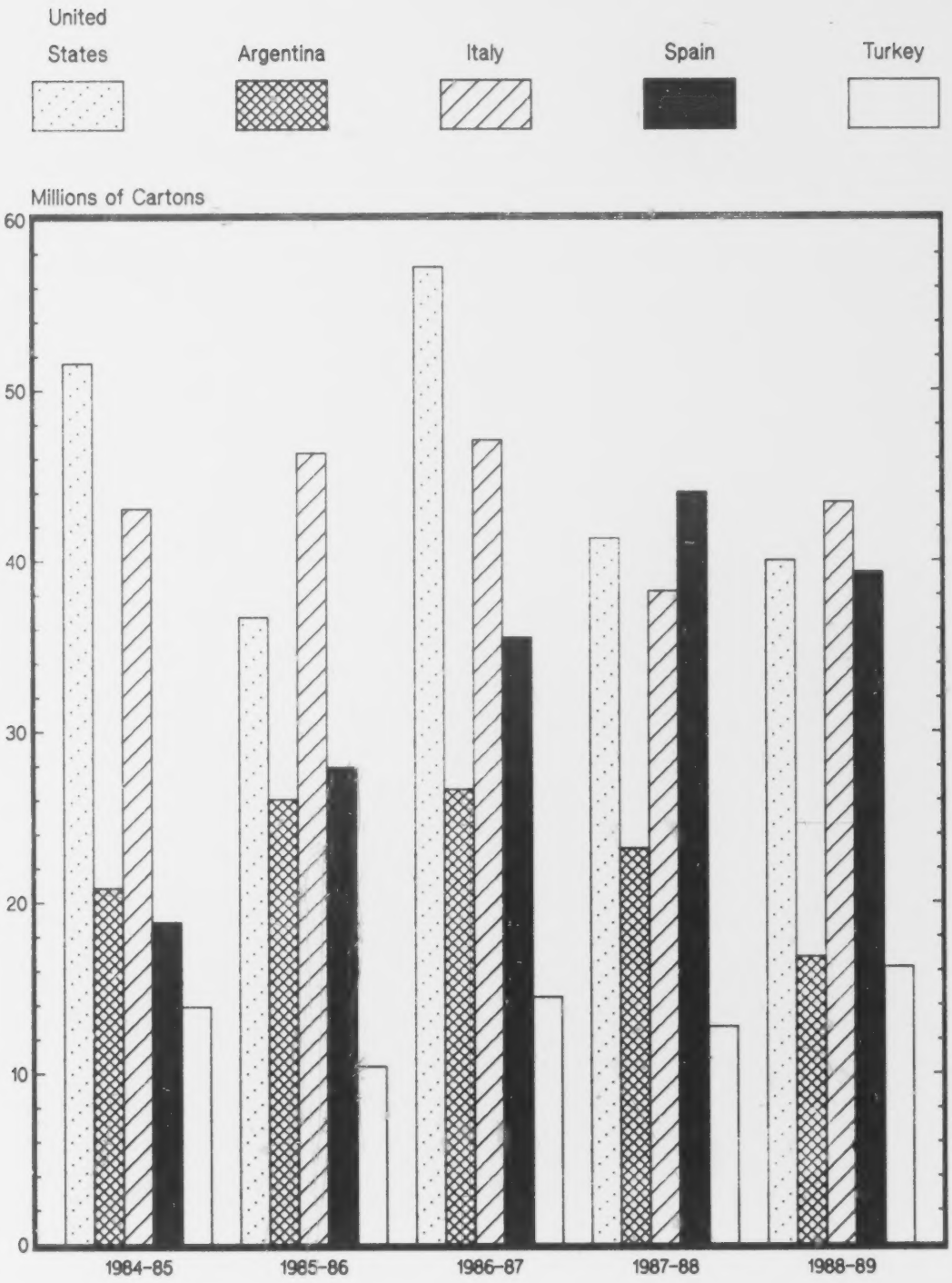
LEMONS PRODUCTION IN SELECTED COUNTRIES
(1984-85 to 1988-89)

Countries	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (38 lbs.)				
United States	51,600	36,700	57,200	41,300	40,000
Argentina	20,842	26,053	26,632	23,158	16,789
Australia	2,663	2,374	2,084	2,142	2,489
Brazil	926	926	2,026	2,026	2,026
Chile	4,053	4,053	3,705	4,632	5,211
Cyprus	2,489	3,126	3,126	2,663	2,953
Gaza	695	868	868	695	695
Greece	8,974	10,768	9,726	5,153	9,263
Israel	3,821	2,895	3,995	2,721	2,374
Italy	43,074	46,316	47,068	38,211	43,421
Lebanon	1,737	2,026	-	-	-
Morocco	1,042	984	1,158	1,158	1,216
Spain	18,816	27,905	35,489	44,000	39,311
South Africa	3,242	3,300	3,821	3,937	3,879
Turkey	13,895	10,421	14,474	12,737	16,211
Uruguay	2,258	2,663	3,011	3,126	3,300
All Others	289	637	637	753	695
Total	180,417	182,015	215,020	188,412	189,833

Source: USDA, Foreign Agricultural Service - Foreign Agriculture Circular; Crop Reporting Board - Citrus Fruits By States

LEMON PRODUCTION

MAJOR PRODUCING COUNTRIES



(Origin: Table 22)

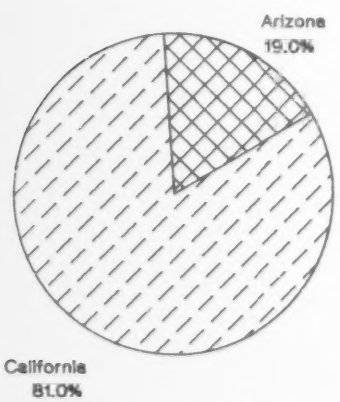
TABLE 23

CALIFORNIA AND ARIZONA LEMON PRODUCTION AND UTILIZATION
(1979-80 to 1988-89)

Season	California			Arizona			Total		
	Total	Fresh		Total	Fresh		Total	Fresh	
	Million Cartons		%	Million Cartons		%	Million Cartons		%
1979-80	35.4	18.2	52	6.1	3.2	52	41.5	21.4	52
1980-81	48.6	18.3	38	14.0	4.5	32	62.6	22.8	36
1981-82	37.0	15.9	43	12.6	5.2	41	49.6	21.1	43
1982-83	40.6	18.5	46	10.1	4.8	48	50.7	23.3	46
1983-84	34.5	18.5	54	8.0	4.6	58	42.5	26.5	62
1984-85	39.6	18.7	47	12.0	4.8	40	51.6	23.5	46
1985-86	30.2	19.0	63	6.5	4.0	62	36.7	23.0	63
1986-87	43.0	20.0	47	14.2	4.7	33	57.2	24.7	43
1987-88	34.0	20.2	59	7.3	3.9	53	41.3	24.1	58
1988-89	32.4	20.6	64	7.6	4.0	53	40.0	24.6	62

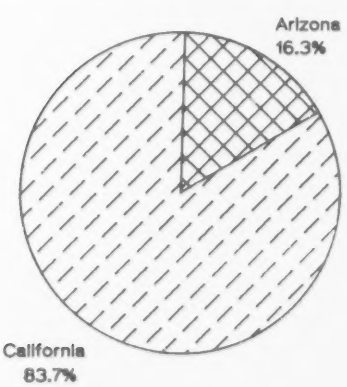
Source: USDA, Crop Reporting Board - Citrus Fruits By States.

1988-89
LEMON PRODUCTION



(Origin: Table 23)

1988-89
LEMON FRESH SHIPMENTS



(Origin: Table 23)

TABLE 24

California - Arizona Lemon
UTILIZATION AND AVERAGE ON-TREE RETURNS
(1979-80 to 1988-89)

Season	California						Arizona						Total					
	Utilization			On-Tree Returns			Utilization			On-Tree Returns			Utilization			On-Tree Returns		
	Fresh	Prod.	Total	Fresh	Prod.	Total	Fresh	Prod.	Total	Fresh	Prod.	Total	Fresh	Prod.	Total	Fresh	Prod.	Total
	Million Cartons			Dollars Per Carton			Million Cartons			Dollars Per Carton			Million Cartons			Dollars Per Carton		
1979-80	18.2	17.2	35.4	4.50	0.51	2.57	3.2	2.9	6.1	4.95	-0.02	2.57	21.4	20.1	41.5	4.57	0.43	2.57
1980-81	18.3	30.3	48.6	3.11	-0.17	1.07	4.5	9.5	14.0	2.15	-0.12	0.61	22.8	39.8	62.6	2.92	-0.16	0.97
1981-82	15.9	21.1	37.0	3.82	-1.45	0.82	5.2	7.4	12.6	2.57	-1.45	0.20	21.1	28.5	49.6	3.52	-1.45	0.66
1982-83	18.5	22.1	40.6	3.10	-1.47	0.98	4.8	5.3	10.1	2.97	-1.46	0.65	23.3	27.4	50.7	3.07	-1.47	0.62
1983-84	18.5	16.0	34.5	4.08	-1.03	1.71	4.6	3.4	8.0	2.54	-1.56	0.79	23.1	19.4	42.5	3.77	-1.12	1.54
1984-85	18.7	20.9	39.6	5.29	-0.53	2.22	4.8	7.2	12.0	3.37	-0.95	0.77	23.5	28.1	51.6	4.90	-0.64	1.88
1985-86	19.0	11.2	30.2	7.14	-0.59	4.28	4.0	2.5	6.5	10.48	-0.62	6.14	23.0	13.7	36.7	7.72	-0.60	4.61
1986-87	20.0	23.0	43.0	5.27	-0.59	2.14	4.7	9.5	14.2	3.16	-0.55	0.68	24.7	32.5	57.2	4.88	-0.58	1.78
1987-88	20.2	13.8	34.0	6.72	-1.02	3.58	3.9	3.4	7.3	6.12	-1.02	2.79	24.1	17.2	41.3	6.62	-1.02	3.44
1988-89	20.6	11.8	32.4	7.48	-1.06	4.37	4.0	3.6	7.6	6.16	-0.16	2.95	24.6	15.4	40.0	7.27	-0.95	4.10

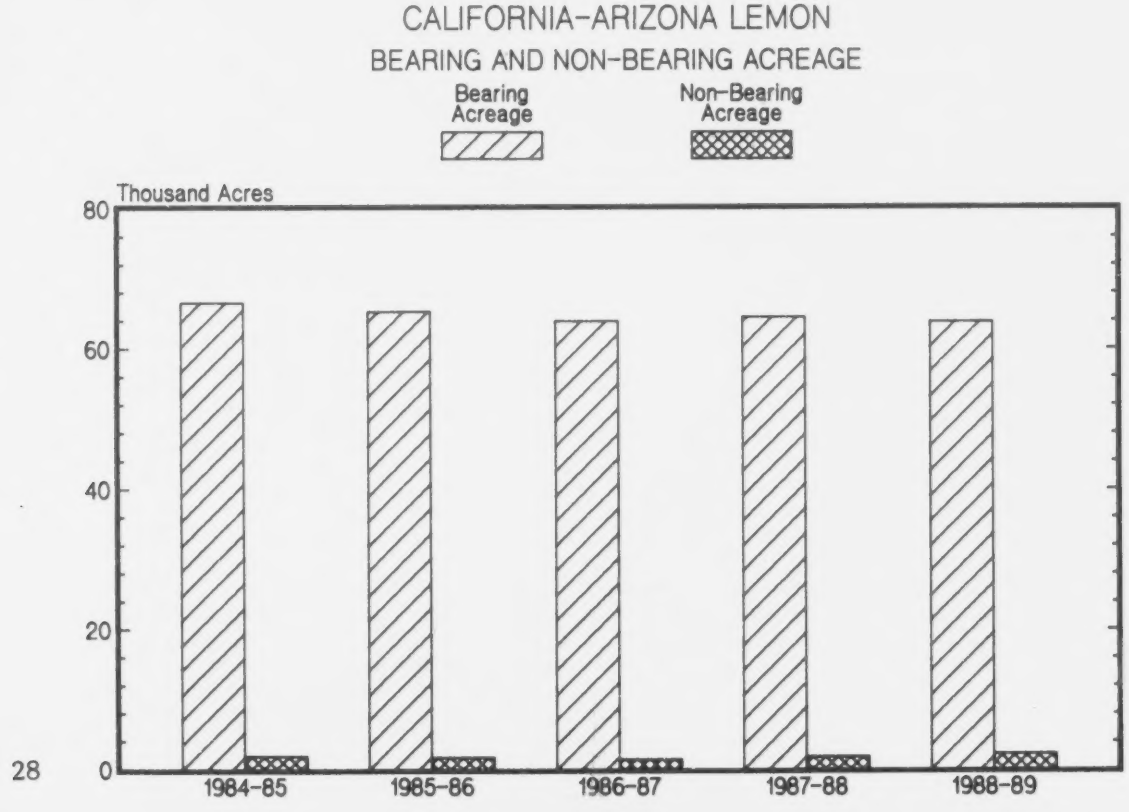
Source: USDA, Crop Reporting Board - Citrus Fruits By States; Agricultural Prices

TABLE 25

CALIFORNIA AND ARIZONA LEMON BEARING AND NON-BEARING ACREAGE
(1979-80 to 1988-89)

Season	California			Arizona			Total California-Arizona		
	Bearing	Non-Bearing	Total	Bearing	Non-Bearing	Total	Bearing	Non-Bearing	Total
	1,000 Acres								
1979-80	49.8	7.7	57.5	20.3	0.1	20.4	70.1	7.8	77.9
1980-81	52.7	6.1	58.8	19.2	-	19.2	71.9	6.1	78.0
1981-82	54.2	3.8	58.0	21.6	0.1	21.7	75.8	3.9	79.7
1982-83	52.0	2.7	54.7	19.5	0.1	19.6	71.5	2.8	74.3
1983-84	51.4	2.2	53.7	16.7	0.1	16.8	68.1	2.4	70.5
1984-85	49.6	1.8	51.4	17.0	0.1	17.1	66.6	1.9	68.5
1985-86	48.8	1.5	50.3	16.5	0.2	16.7	65.3	1.7	67.0
1986-87	48.4	1.1	49.5	15.5	0.3	15.8	63.9	1.4	65.3
1987-88	49.0	1.3	50.3	15.5	0.5	16.0	64.5	1.8	66.3
1988-89	48.3	1.5	49.8	15.5	0.7	16.2	63.8	2.2	66.0

Source: California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service. Arizona non-bearing acreage taken from the Lemon Administration Committee surveys.



(Origin: Table 25)

TABLE 26

FLORIDA LEMON BEARING ACREAGE, PRODUCTION AND ON-TREE RETURNS
(1980 to 1989)

Year	True Lemons			Meyer Lemons			Total		
	Bearing Acres	Production	Return Per Carton	Bearing Acres	Production	Return Per Carton	Bearing Acres	Production	Return Per Carton
	1,000 Acres	1,000 Cartons	Dollars Per Ctn.	1,000 Acres	1,000 Cartons	Dollars Per Ctn.	1,000 Acres	1,000 Cartons	Dollars Per Ctn.
1980	3.8	1,700	3.95	1.3	1,260	1.98	5.1	2,960	3.10
1981	3.7	1,740	3.35	1.3	680	1.10	5.0	2,420	2.73
1982	2.0	280	6.65	1.2	1,160	1.00	3.2	1,440	2.10
1983	1.6	910	4.50	0.7	110	0.40	2.3	1,020	4.05
1984	1.6	970	NA	0.5	130	NA	2.1	1,100	3.00
1985	1.3	550	NA	0.1	110	NA	1.4	660	8.30
1986	1.3	1,120	NA	0.1	120	NA	1.4	1,240	1.30
1987	1.2	940	NA	0.1	80	NA	1.3	1,020	2.50
1988	1.1	866	NA	0.1	94	NA	1.2	960	2.65
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA: Not Available.
Source: Florida Crop and Livestock Reporting Service - Florida Citrus.

TABLE 27

FLORIDA LIMES BEARING ACREAGE, PRODUCTION AND ON-TREE RETURNS
(1979-80 to 1988-89)

Season	Bearing Acreage	Utilization of Production			On-Tree Returns
		Total	Fresh	Processed	
	1,000 Acres	1,000 Cartons			Per Carton
1979-80	4.7	2,200	1,244	956	4.09
1980-81	5.3	2,400	1,394	1,006	3.29
1981-82	6.4	2,600	1,250	1,350	3.94
1982-83	7.3	3,400	1,950	1,450	4.20
1983-84	7.0	2,880	1,650	1,230	3.73
1984-85	6.7	3,280	2,050	1,230	3.64
1985-86	6.8	3,450	1,760	1,690	3.97
1986-87	6.7	2,900	1,700	1,200	4.29
1987-88	7.0	2,600	1,720	880	6.35
1988-89	6.6	2,500	1,900	600	5.65

Source: Florida Crop and Livestock Reporting Service - Citrus Summary.

TABLE 28

California-Arizona Lemons
FRESH SHIPMENTS, FOB PRICE AND AVERAGE SIZE
(1979-80 to 1988-89)

Nov.-Apr.	Winter Lemons: Commercial Fresh Shipments	Winter Lemons: FOB Price	Winter Lemons: Average Size	May-Oct.	Summer Lemons: Commercial Fresh Shipments	Summer Lemons: FOB Price	Summer Lemons: Average Size	All Lemons: Average Size
	Million Cartons	Dollars Per Ctn.	Lemons Per Ctn.		Million Cartons	Dollars Per Ctn.	Lemons Per Ctn.	Lemons Per Ctn.
1979-80	10.4	7.49	136	1980	11.4	9.33	139	137
1980-81	11.5	6.16	140	1981	11.3	9.10	142	141
1981-82	11.0	7.01	141	1982	9.7	11.05	141	141
1982-83	11.0	6.89	142	1983	11.7	10.06	140	141
1983-84	11.5	6.49	142	1983	11.0	12.33	142	142
1984-85	12.0	8.05	141	1985	10.1	15.86	141	141
1985-86	11.5	10.20	138	1986	12.4	9.83	138	138
1986-87	12.0	9.23	138	1987	12.6	12.79	141	140
1987-88	11.9	10.47	142	1988	12.7	13.55	144	143
1988-89	12.1	10.77	143	1989	12.7	15.07	144	143

Source: Lemon Administrative Committee; Sunkist Growers, Inc.

TABLE 29

CALIFORNIA-ARIZONA LEMON PRODUCING AND MARKETING COSTS
(1979-80 to 1988-89)

Season	Production	Bearing Acreage	Cartons Per Acre	Cultural Cost	Picking and Hauling	Packing	Selling and Advertising	Trans to New York
	1,000 Cartons	Acres	Cartons	Dollars Per Packed Carton Equivalent (P)				
1979-80	41,500	70,016	593	3.07	1.25	2.28	0.37	1.88
1980-81	62,600	71,907	870	3.18	1.38	2.62	0.42	1.72
1981-82	49,600	75,856	654	4.02	1.36	3.07	0.46	1.82
1982-83	50,700	71,460	710	3.76	1.48	3.28	0.48	1.92
1983-84	42,500	68,132	624	4.70	1.37	3.21	0.49	2.65
1984-85	51,600	66,600	775	3.43	1.33	3.11	0.42	2.60
1985-86	36,700	65,300	562	4.75	1.37	3.13	0.46	2.75
1986-87	57,200	63,900	895	NA	1.34	3.53	0.53	2.75
1987-88	41,300	64,500	640	NA	1.39	3.41	0.53	2.75
1988-89	40,000	63,800	627	NA	1.48	3.38	0.51	2.75

NA: Not Available. (P): Preliminary 1988-89.
Source: USDA, Crop Reporting Board - Citrus Fruits By States; California Fruit & Nut Acreage; Arizona Fruit & Vegetable Standardization Service; California-Arizona Citrus League; Sunkist Growers, Inc.; UCR; UAT.

TABLE 30

CALIFORNIA-ARIZONA LEMON SHIPMENTS, PICKS AND STORAGE
(1979-80 to 1988-89)

Season	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Total
	1,000 Cartons												
	FRESH SHIPMENTS												
1979-80	1,657	1,726	1,672	1,603	1,921	1,914	2,357	2,382	2,021	1,419	1,482	1,971	22,125
1980-81	1,871	1,724	1,861	1,741	2,244	2,117	2,348	2,423	2,197	1,526	1,213	1,638	22,903
1981-82	1,793	1,767	1,835	1,574	2,065	1,965	1,872	1,831	1,672	1,390	1,321	1,658	20,743
1982-83	1,683	1,870	1,813	1,710	2,013	1,931	2,338	2,499	2,043	1,646	1,263	1,889	22,700
1983-84	1,809	1,931	1,712	1,794	2,230	1,988	2,117	2,155	1,759	1,637	1,358	1,806	22,296
1984-85	1,652	1,877	1,961	2,066	2,320	2,156	2,262	2,118	1,840	1,191	1,157	1,659	22,259
1985-86	1,605	1,716	2,005	1,828	2,131	2,241	2,338	2,233	2,478	1,856	1,624	1,895	23,950
1986-87	1,960	1,866	2,001	1,897	2,176	2,120	2,341	2,386	2,399	1,827	1,948	1,621	24,542
1987-88	1,956	1,868	2,004	1,897	2,176	2,119	2,341	2,387	2,328	2,035	1,756	2,052	24,919
1988-89	2,023	1,870	1,964	1,826	2,213	2,099	2,303	2,309	2,217	2,129	1,752	2,137	24,842
	PICKS												
1979-80	3,071	3,389	4,130	5,102	5,795	6,417	3,814	2,964	2,207	1,250	2,010	4,770	44,919
1980-81	4,632	6,310	5,810	7,626	6,842	9,905	5,950	4,053	2,630	1,137	2,991	4,006	61,892
1981-82	4,895	6,489	5,244	6,308	4,933	5,087	3,789	2,959	1,548	1,162	3,158	3,410	48,982
1982-83	3,344	5,548	4,051	4,468	5,060	5,487	6,482	4,694	1,969	1,386	1,912	3,528	47,929
1983-84	2,843	4,842	4,922	5,259	5,758	3,692	3,687	1,986	942	966	2,048	4,465	41,410
1984-85	3,344	3,709	7,704	7,169	6,096	5,668	4,566	2,651	1,961	645	1,510	3,120	48,151
1985-86	2,075	3,055	5,074	3,221	3,795	5,508	3,307	3,083	3,108	2,155	2,408	4,360	41,149
1986-87	4,786	6,262	5,823	6,294	7,502	6,902	3,516	2,729	2,618	1,577	2,531	2,547	53,087
1987-88	4,690	4,775	4,724	4,628	4,288	2,828	3,282	3,811	1,683	1,519	2,800	3,228	42,256
1988-89	4,839	3,237	4,160	4,089	5,516	3,230	3,005	2,616	1,753	1,229	2,322	3,066	39,062
	STORAGE												
1979-80	1,458	2,302	2,461	3,526	4,507	5,332	4,816	3,930	2,986	1,707	1,126	1,385	
1980-81	1,981	2,404	3,103	3,888	4,262	5,005	5,277	4,434	2,734	1,149	1,068	1,622	
1981-82	1,909	2,348	2,731	3,209	3,298	3,577	3,932	3,347	2,208	1,128	953	1,636	
1982-83	1,633	1,968	2,831	3,113	3,006	3,892	4,037	4,197	5,037	1,710	957	1,360	
1983-84	1,660	1,974	3,281	4,264	4,902	4,984	4,831	4,624	3,022	1,735	1,293	1,622	
1984-85	1,788	2,054	3,674	5,009	5,355	5,172	4,998	3,944	2,810	1,670	875	1,294	
1985-86	1,493	1,775	3,037	3,619	3,871	4,775	5,341	5,223	4,687	3,554	2,766	2,776	
1986-87	3,102	3,835	3,888	3,965	4,873	5,628	5,287	4,783	3,882	2,535	1,413	1,340	
1987-88	1,699	2,966	3,059	3,917	4,028	4,295	4,352	4,221	3,388	2,020	1,643	1,835	
1988-89	2,005	2,490	2,668	3,241	3,934	4,423	4,074	3,908	3,423	1,821	1,292	1,653	

Source: Lemon Administrative Committee.

TABLE 31

CALIFORNIA-ARIZONA LEMON SHIPMENTS AND PICKS
(1988-89 Season)

Week Ending	Fresh	Processed*	Total	Picks
	Carloads of 1,000 Cartons Each			
Aug. 06, 1988	446	179	625	325
13	447	163	610	281
20	482	143	625	267
27	423	118	541	320
Sep. 03	411	116	527	329
10	405	122	527	514
17	394	202	596	701
24	394	249	643	812
Oct. 01	452	286	738	784
08	455	289	744	805
15	417	328	745	803
22	478	303	781	753
29	494	339	833	888
Nov. 05	499	356	855	873
12	479	354	833	919
19	481	392	873	990
26	432	409	841	884
Dec. 03	482	514	996	1,180
10	472	539	1,011	1,204
17	393	470	863	848
24	402	311	713	564
31	396	295	691	564
Jan. 07, 1989	452	313	765	506
14	466	510	976	1,181
21	436	556	992	1,271
28	425	474	899	1,125
Feb. 04	431	527	958	1,150
11	424	372	796	485
18	471	425	896	1,148
25	481	546	1,027	1,344
Mar. 04	476	506	982	881
11	512	511	1,023	1,404
18	488	513	1,001	1,234
25	498	456	954	1,026
Apr. 01	517	391	908	1,016
08	479	362	841	1,017
15	477	327	804	843
22	495	276	771	810
29	500	228	728	585
May, 06	519	228	747	652
13	510	169	679	546
20	514	158	672	643
27	555	157	712	636
Jun. 03	489	128	617	550
10	557	129	686	695
17	530	135	665	646
24	535	120	655	610
Jul. 01	557	142	699	621
08	519	133	652	466
15	580	147	727	533
22	558	157	715	412
29	440	161	641	357
TOTAL	24,665	15,734	40,399	40,001

* Includes 769 Carloads reported eliminated as rots.

Source: Lemon Administrative Committee.

TABLE 32

CALIFORNIA-ARIZONA ESTIMATED LEMON STORAGE
(1988-89 Season)

Storage Date	DISTRICT 1 Central	DISTRICT 2 Southern	DISTRICT 3 Desert	Total
	Carloads of 1,000 Cartons Each			
Aug. 06, 1988	26	2,615	-	2,641
13	20	2,308	4	2,332
20	15	1,933	29	1,977
27	12	1,570	125	1,707
Sep. 03	12	1,239	254	1,505
10	12	930	565	1,507
17	6	673	903	1,582
24	4	521	1,220	1,745
Oct. 01	9	415	1,361	1,785
08	21	367	1,436	1,824
15	26	379	1,486	1,891
22	22	406	1,417	1,845
29	25	458	1,438	1,921
Nov. 05	79	488	1,318	1,885
12	147	543	1,303	1,993
19	222	628	1,275	2,125
26	316	665	1,215	2,196
Dec. 03	382	878	1,130	2,390
10	541	1,093	1,003	2,637
17	599	1,089	984	2,672
24	564	1,022	943	2,529
31	488	1,111	808	2,407
Jan. 07, 1989	409	1,188	526	2,123
14	504	1,498	347	2,349
21	607	1,838	232	2,677
28	728	2,130	127	2,986
Feb. 04	742	2,390	77	3,209
11	584	2,286	61	2,931
18	475	2,632	41	3,148
25	438	3,084	28	3,550
Mar. 04	375	3,015	25	3,415
11	429	3,323	25	3,777
18	446	3,562	14	4,022
25	417	3,660	14	4,091
Apr. 01	409	3,757	11	4,177
08	393	3,999	9	4,401
15	331	4,127	-	4,458
22	250	4,195	-	4,445
29	227	4,059	-	4,286
May, 06	167	4,006	-	4,173
13	105	3,913	-	4,018
20	95	3,880	-	3,975
27	68	3,840	-	3,908
Jun. 03	62	3,820	-	3,882
10	46	3,821	-	3,867
17	29	3,905	-	3,934
24	17	3,901	-	3,918
Jul. 01	9	3,841	-	3,850
08	12	3,658	-	3,670
15	14	3,470	-	3,484
22	8	3,176	-	3,184
29	8	2,927	-	2,935

Source: Lemon Administrative Committee

TABLE 33

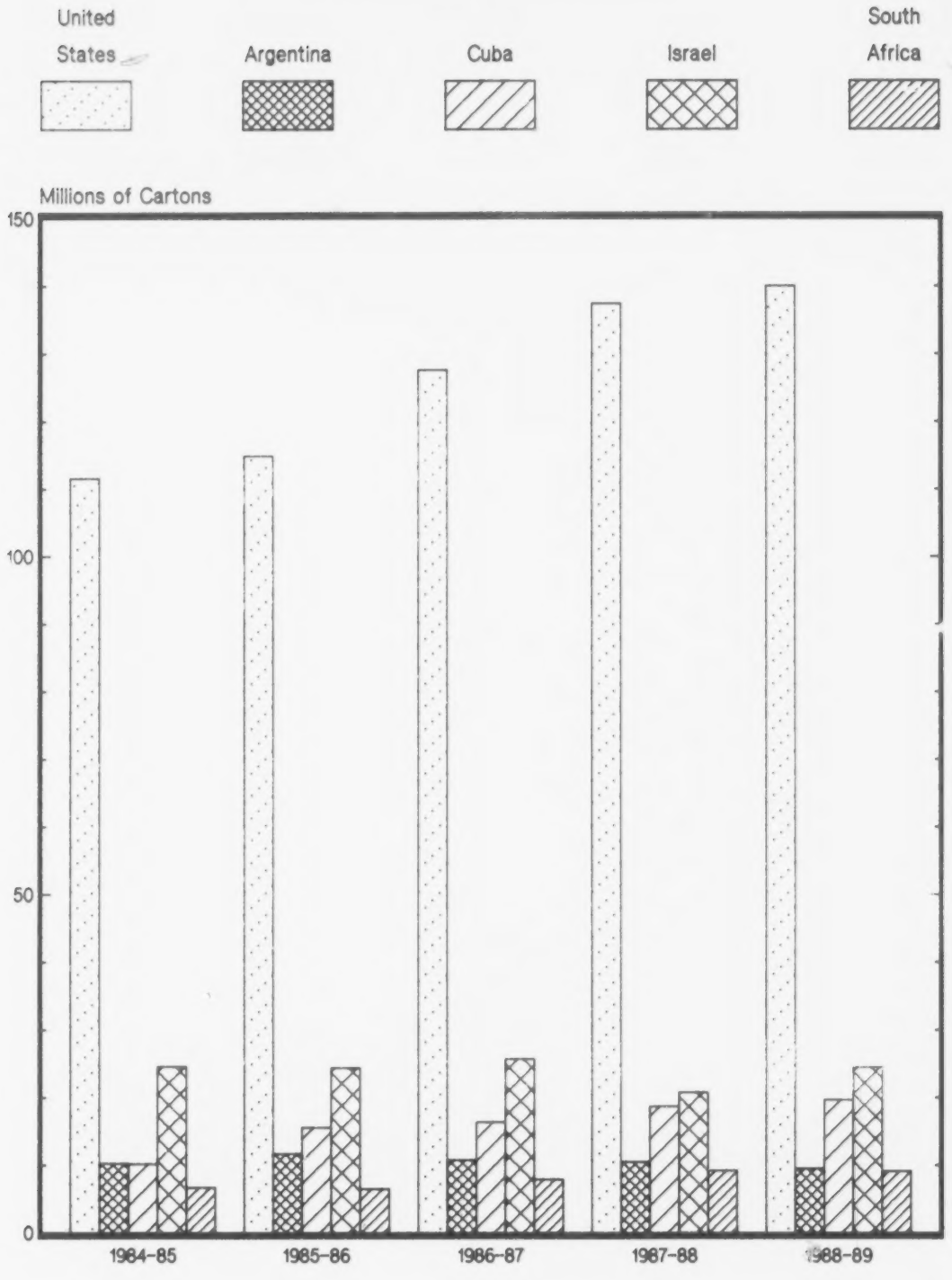
GRAPEFRUIT PRODUCTION IN SELECTED COUNTRIES
(1984-85 to 1988-89)

Countries	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (38 lbs.)				
United States	111,600	114,940	127,550	137,400	140,000
Argentina	10,310	11,690	10,836	10,507	9,522
Australia	2,430	2,101	2,101	2,036	2,299
Brazil	1,576	1,379	1,904	1,576	1,576
Cuba	10,179	15,564	16,418	18,651	19,701
Cyprus	6,304	6,107	7,290	6,304	6,830
Gaza	985	854	919	657	657
Israel	24,627	24,364	25,743	20,818	24,496
Lebanon	1,313	1,313	-	-	-
Mexico	3,480	5,385	5,976	6,896	5,188
South Africa	6,699	6,501	7,946	9,194	9,063
Spain	525	854	1,182	1,182	1,445
Turkey	1,379	1,576	1,970	1,773	1,970
All Others	1,642	1,773	1,839	1,445	1,707
Total	183,050	194,401	211,674	218,439	224,454

Source: USDA, Foreign Agricultural Service - Foreign Agriculture Circular;
Crop Reporting Board - Citrus Fruits By States;

GRAPEFRUIT PRODUCTION

MAJOR PRODUCING COUNTRIES



(Origin: Table 33)

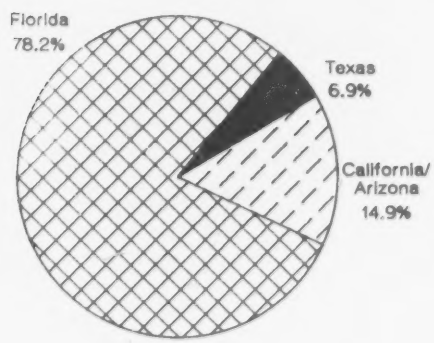
TABLE 34

U.S. GRAPEFRUIT PRODUCTION AND UTILIZATION
(1979-80 to 1988-89)

Season	California-Arizona			Florida			Texas			Total		
	Total	Fresh		Total	Fresh		Total	Fresh		Total	Fresh	
	Million	Cartons	%	Million	Cartons	%	Million	Cartons	%	Million	Cartons	%
1979-80	21.0	9.6	46	109.6	39.0	36	15.8	8.4	53	146.4	57.0	39
1980-81	21.7	12.2	56	100.6	34.3	34	13.4	9.3	69	135.7	55.8	41
1981-82	17.1	9.6	56	96.2	33.4	35	27.8	14.5	52	141.1	57.5	41
1982-83	20.0	12.1	60	78.8	36.6	46	22.4	15.6	70	121.2	64.3	53
1983-84	19.0	12.3	65	81.8	33.3	41	6.4	5.7	89	100.8	45.6	45
1984-85	23.6	16.3	70	88.0	30.0	34	(a)	(a)	(a)	112.0	46.3	41
1985-86	21.0	14.5	69	93.5	39.2	42	0.44	0.40	91	114.9	54.1	47
1986-87	24.1	15.2	63	99.6	41.9	42	3.9	3.1	79	127.6	60.2	47
1987-88	22.1	14.6	66	107.7	46.2	43	7.6	5.6	74	137.4	66.4	48
1988-89	20.9	13.8	66	109.5	47.8	44	9.6	7.8	81	140.0	69.4	50

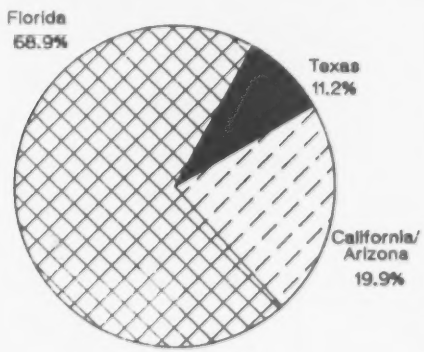
(a) Due to December 1983 Freeze no commercial supplies were harvested.
Source: USDA, Crop Reporting Board - Citrus Fruits By States.

1988-89
U.S. GRAPEFRUIT PRODUCTION



(Origin: Table 34)

1988-89
U.S. GRAPEFRUIT FRESH SHIPMENTS



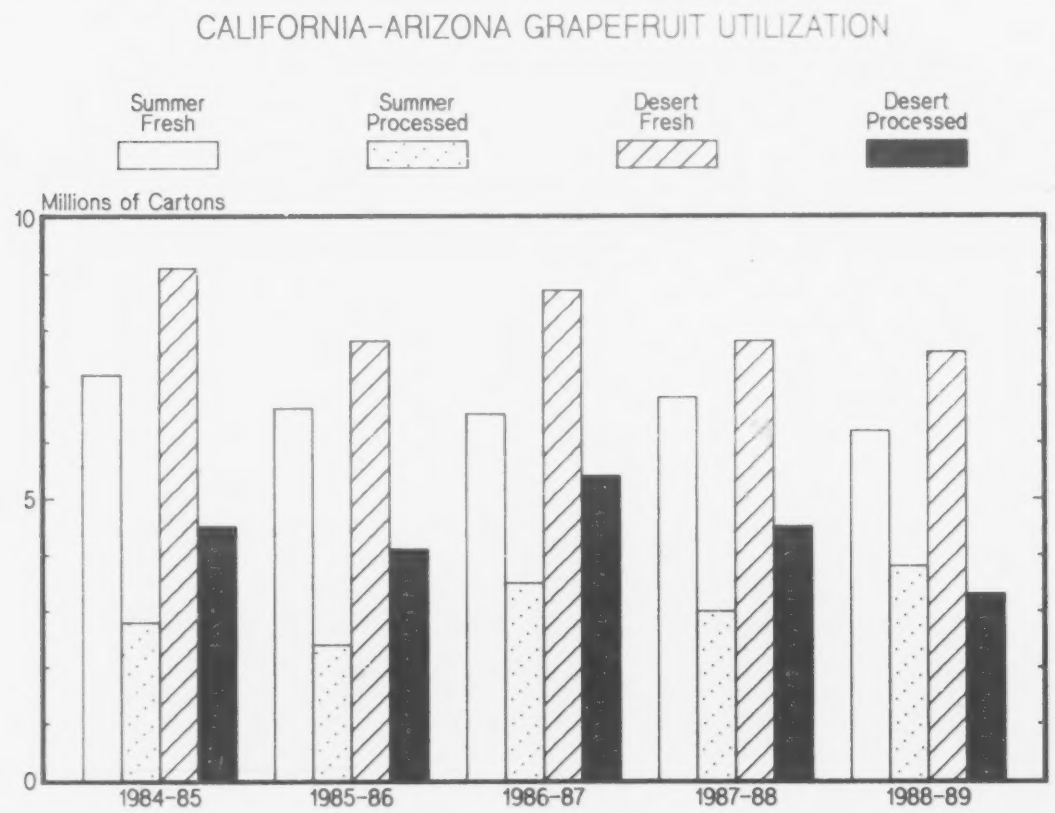
(Origin: Table 34)

TABLE 35

CALIFORNIA-ARIZONA GRAPEFRUIT PRODUCTION AND UTILIZATION
(1979-80 to 1988-89)

Season	California Summer			California Arizona Desert			Total		
	Total	Fresh	Processed	Total	Fresh	Processed	Total	Fresh	Processed
	1,000 Cartons								
1979-80	6,600	3,440	3,160	14,400	6,120	8,280	21,000	9,560	11,440
1980-81	7,600	4,360	3,240	14,120	7,820	6,300	21,720	12,180	9,540
1981-82	5,500	3,560	1,940	11,600	6,070	5,530	17,100	9,630	7,470
1982-83	6,400	4,000	2,400	13,600	8,080	5,520	20,000	12,080	7,920
1983-84	7,800	5,200	2,600	11,220	7,130	4,090	19,020	12,330	6,690
1984-85	10,000	7,200	2,800	13,600	9,100	4,500	23,600	16,300	7,300
1985-86	9,000	6,600	2,400	12,000	7,880	4,120	21,000	14,480	6,520
1986-87	10,000	6,500	3,500	14,100	8,680	5,420	24,100	15,180	8,920
1987-88	9,800	6,800	3,000	12,300	7,800	4,500	22,100	14,600	7,500
1988-89	10,000	6,200	3,800	10,900	7,630	3,270	20,900	13,830	7,070

Source: USDA, Crop Reporting Board - Citrus Fruits By States.



(Origin: Table 35)

TABLE 36

California-Arizona Grapefruit
UTILIZATION AND AVERAGE ON-TREE RETURNS
1979-80 to 1988-89

Season	California Summer Grapefruit						California-Arizona Desert Grapefruit					
	Utilization			On-Tree Returns			Utilization			On-Tree Returns		
	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total
	Million Cartons			Dollars Per Carton			Million Cartons			Dollars Per Carton		
1979-80	3.4	3.2	6.6	2.73	-0.29	1.28	6.1	8.3	14.4	1.86	-0.21	0.67
1980-81	4.4	3.2	7.6	3.36	-0.35	1.77	7.8	6.3	14.1	2.77	-0.11	1.48
1981-82	3.6	1.9	5.5	1.99	-0.66	1.07	6.1	5.5	11.6	1.91	-0.65	0.70
1982-83	4.0	2.4	6.4	2.50	-0.65	1.32	8.1	5.5	13.6	1.53	-0.66	0.66
1983-84	5.2	2.6	7.8	2.67	-0.77	1.52	7.1	4.1	11.2	2.45	-0.76	1.28
1984-85	7.2	2.8	10.0	4.15	-0.25	2.92	9.1	4.5	13.6	3.71	-0.19	2.42
1985-86	6.6	2.4	9.0	4.50	-0.37	3.20	7.9	4.1	12.0	3.66	-0.40	2.27
1986-87	6.5	3.5	10.0	4.15	-0.32	2.59	8.7	5.4	14.1	3.31	-0.32	1.91
1987-88	6.8	3.0	9.8	4.28	-0.19	2.91	7.8	4.5	12.3	2.82	-0.22	1.71
1988-89	6.2	3.8	10.0	4.71	-0.14	2.87	7.6	3.3	10.9	2.53	-0.34	1.66

Source: USDA, Crop Reporting Board - Citrus Fruits By States; Agricultural Prices.

TABLE 37

Florida and Texas Grapefruit
UTILIZATION AND AVERAGE ON-TREE RETURNS
(1979-80 to 1988-89)

Season	Florida						Texas					
	Utilization			On-Tree Returns			Utilization			On-Tree Returns		
	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total	Fresh	Products	Total
	Million Cartons			Dollars Per Carton			Million Cartons			Dollars Per Carton		
1979-80	39.0	70.6	109.6	2.08	1.43	1.66	8.4	7.4	15.8	1.59	0.96	1.30
1980-81	34.3	66.3	100.6	2.63	1.38	1.80	9.3	4.1	13.4	1.85	1.16	1.64
1981-82	33.4	62.8	96.2	2.24	0.41	1.05	14.5	13.3	27.8	1.37	0.49	0.95
1982-83	36.6	42.2	78.8	1.81	0.26	0.98	15.6	6.8	22.4	0.88	0.07	0.63
1983-84	33.3	48.5	81.8	2.10	0.85	1.36	5.7	0.7	6.4	1.12	0.12	1.01
1984-85	30.0	58.0	88.0	2.81	1.33	1.83	(a)	(a)	(a)	-	-	-
1985-86	39.2	54.3	93.5	2.60	1.65	2.05	0.4	0.04	0.44	4.47	1.77	4.22
1986-87	41.9	57.7	99.6	2.95	2.16	2.49	3.1	0.8	3.9	3.94	1.70	3.51
1987-88	46.2	61.5	107.7	3.43	2.31	2.79	5.6	2.0	7.6	3.31	1.66	2.88
1988-89	47.8	61.7	109.5	4.14	2.25	3.08	7.8	1.8	9.6	2.53	0.29	2.11

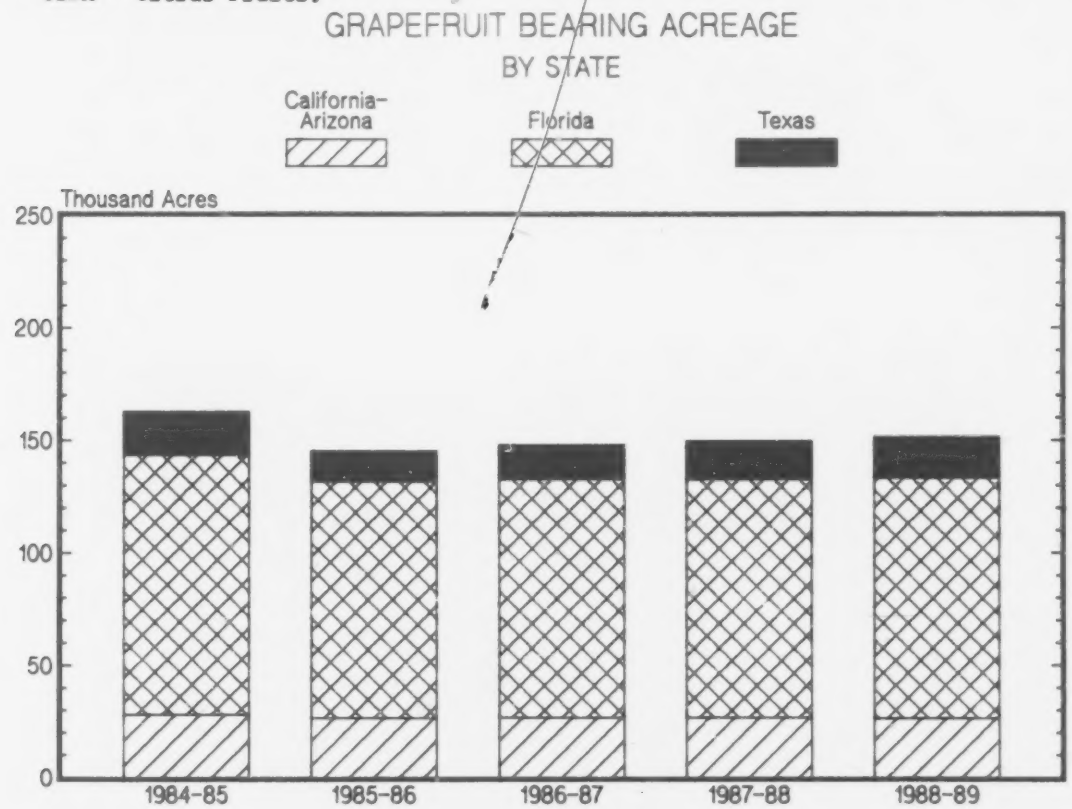
(a) Due to December 1983 Freeze No Commercial Supplies
Source: USDA, Crop Reporting Board - Citrus Fruits By States.
Florida Agricultural Statistics - Citrus Summary.

TABLE 38

U.S. GRAPEFRUIT BEARING ACREAGE
(1979-80 to 1988-89)

Season	Arizona	California Desert	Total California Arizona Desert	California Summer	Total California Arizona	Florida	Texas	Total United States
				Acres				
1979-80	8,438	10,317	18,755	11,010	29,765	126,400	39,800	195,965
1980-81	8,113	10,108	18,221	11,720	29,941	125,600	41,481	197,022
1981-82	8,158	10,415	18,573	11,580	30,153	127,800	41,076	199,029
1982-83	6,769	9,914	16,683	11,792	28,475	128,600	42,166	199,241
1983-84	6,760	10,284	17,044	11,573	28,617	119,600	43,256	191,473
1984-85	7,118	9,674	16,792	11,401	28,193	115,500	19,110	162,803
1985-86	5,732	9,387	15,219	11,485	26,604	105,100	13,500	145,204
1986-87	5,935	9,200	15,135	11,600	26,735	106,000	15,200	147,935
1987-88	5,974	9,000	14,974	11,700	26,674	106,000	16,900	149,574
1988-89	6,500	8,200	14,700	11,700	26,400	106,900	18,100	151,400

Source: California Fruit & Nut Statistics; Arizona Fruit & Vegetable Standardization Service; Florida Agricultural Statistics - Citrus Summary. USDA - Citrus Fruits.



(Origin: Table 38)

TABLE 39

CALIFORNIA-ARIZONA GRAPEFRUIT PRODUCING AND MARKETING COSTS
(1979-80 to 1988-89)

Season	California Summer					California-Arizona Desert				
	Cultural Cost	Picking and Hauling	Packing	Selling and Advertising	Total Cost	Cultural Cost	Picking and Hauling	Packing	Selling and Advertising	Total Cost
	Dollars Per Packed Equivalent Carton									
1979-80	3.04	0.58	1.41	0.29	5.32	1.57	0.61	1.48	0.29	3.95
1980-81	4.06	0.66	1.47	0.30	6.49	2.32	0.69	1.56	0.28	4.85
1981-82	5.31	0.65	1.73	0.34	8.03	2.85	0.68	1.68	0.36	5.57
1982-83	4.85	0.70	1.90	0.36	7.81	2.30	0.73	1.82	0.39	5.24
1983-84	4.23	0.75	1.99	0.38	7.35	2.97	0.74	1.97	0.40	6.08
1984-85	3.78	0.66	2.07	0.44	6.95	1.98	0.75	1.98	0.31	5.02
1985-86	NA	0.69	2.12	0.47	NA	NA	0.80	2.07	0.35	NA
1986-87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1987-88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1988-89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA: Not Available
Source: California-Arizona Citrus League; Sunkist Growers, Inc.; UCR: UAT.

TABLE 40

California-Arizonz Grapefruit
COMMERCIAL FRESH SHIPMENTS
(1979-80 to 1988-89)

Season	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Total
	1,000 Cartons												
1979-80	216	175	289	283	373	815	1,662	2,337	1,904	1,340	765	38	10,197
1980-81	307	215	714	584	973	1,416	2,039	1,575	1,291	1,004	887	89	11,094
1981-82	168	224	706	277	355	597	1,934	1,941	1,223	1,204	726	176	9,531
1982-83	337	300	598	504	558	658	2,225	3,373	1,043	1,316	1,191	419	12,522
1983-84	205	340	1,395	909	921	937	1,852	2,013	1,462	1,416	1,268	866	13,584
1984-85	1,017	1,147	1,234	984	824	1,009	2,912	1,854	1,408	1,463	1,170	636	16,592
1985-86	570	693	742	579	776	1,460	2,955	2,473	1,801	1,373	850	537	14,809
1986-87	244	412	543	413	746	1,232	3,309	2,936	1,516	1,170	1,935	429	14,885
1987-88	380	457	605	621	805	924	2,656	3,173	2,166	1,645	1,283	819	15,534
1988-89	559	687	809	756	741	1,877	1,757	1,345	2,456	1,529	812	16	13,344

Source: Sunkist Growers, Inc.

TABLE 41

CALIFORNIA-ARIZONA GRAPEFRUIT SHIPMENTS
(1988-89 Season)

Week Through	Summer		Desert		Total	
	Fresh	Products	Fresh	Products	Fresh	Products
	Carloads of 1,000 carton cars					
Oct. 08, 1988	-	-	73	4	73	4
15	-	-	110	3	110	3
22	-	-	151	8	151	8
29	-	-	180	50	180	50
NOV. 05,	-	-	159	10	159	10
12	-	-	147	56	147	56
19	-	-	125	17	125	17
26	-	-	128	26	128	26
Dec. 03,	14	-	136	33	150	33
10	11	-	148	30	159	30
17	8	-	99	9	107	9
24	19	1	105	20	124	21
31	9	-	138	7	147	7
Jan. 05, 1989	16	-	161	27	177	27
14	14	-	201	42	215	42
21	25	7	157	42	182	49
28	41	14	194	71	235	85
Feb. 04,	29	12	167	48	196	60
11	19	10	191	71	210	81
18	22	7	133	40	155	47
25	17	12	178	52	195	64
May. 04,	14	14	167	28	181	42
11	13	18	162	36	175	54
18	5	1	169	47	174	48
25	11	21	200	9	211	20
Apr. 01,	17	33	279	75	296	108
08	11	22	364	122	375	144
15	5	1	398	172	403	173
22	10	10	420	178	430	188
29	3	-	372	225	375	225
May 06	2	-	436	242	438	242
13	1	10	438	263	439	273
20	16	10	467	269	483	278
27	19	27	378	264	397	291
Jun. 03,	54	11	218	136	272	147
10	116	52	222	163	338	215
17	212	88	146	90	358	178
24	348	189	29	127	377	316
Jul. 01,	503	261	32	103	535	364
08	438	198	-	-	438	198
15	568	233	2	3	570	236
22	517	226	-	-	517	226
29	397	208	-	-	397	208
Aug. 05,	377	200	-	-	377	200
12	435	202	-	-	435	202
19	398	202	-	-	398	202
26	319	156	-	-	319	156
Sep. 02,	352	154	-	-	352	154
09	166	115	-	-	166	115
16	177	103	-	-	177	103
23	94	31	-	-	94	31
30	22	1	-	-	22	1
Oct. 07,	13	1	-	-	13	1
14	3	-	-	-	3	-
TOTAL	5,883	2,861	7,980	3,217	13,863	6,078

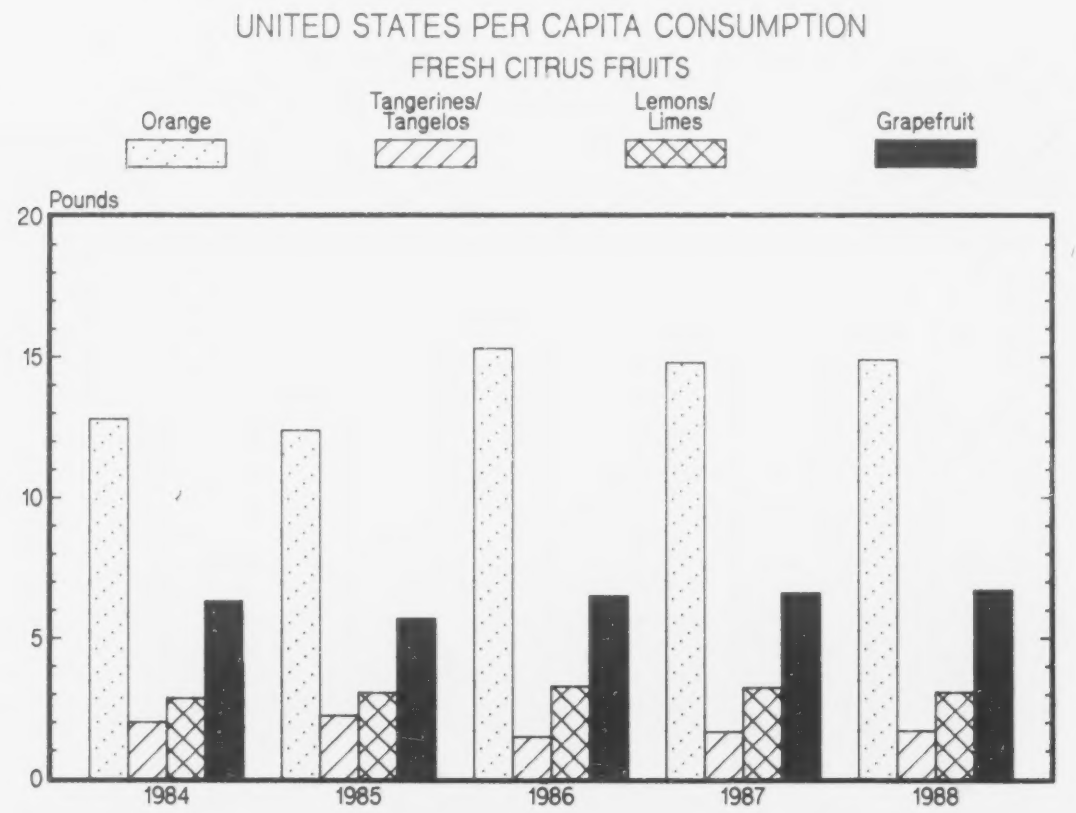
SOURCE: Sunkist Growers, Inc.

TABLE 42

UNITED STATES PER CAPITA CONSUMPTION
FRESH CITRUS FRUITS
(1979 to 1988)

Year	Oranges	Tanger-ines	Tange-los	Lemons	Limes	Grape-fruit	Total Citrus
	Pounds						
1979	12.6	1.6	0.68	2.0	0.25	7.6	24.7
1980	15.8	2.0	0.71	2.0	0.37	8.0	28.9
1981	13.6	1.3	0.81	2.1	0.40	6.9	25.1
1982	12.7	1.3	0.69	2.1	0.39	7.5	24.7
1983	16.1	1.4	0.72	2.4	0.57	8.1	29.3
1984	12.8	1.4	0.61	2.3	0.56	6.3	24.0
1985	12.4	1.7	0.55	2.4	0.66	5.7	23.4
1986	15.3	1.0	0.50	2.6	0.70	6.5	26.6
1987	14.8	1.2	0.48	2.6	0.65	6.6	26.3
1988	14.9	1.2	0.51	2.5	0.58	6.7	26.4

Source: USDA, Economic Research Service - Fruit Situation.



(Origin: Table 42)

TABLE 43

UNITED STATES PER CAPITA CONSUMPTION
FRESH DECIDUOUS FRUIT
(1979 to 1988)

Year	Apples	Apri-cots	Avo-cados	Bananas	Cher-ries	Cran-berries	Grapes	Kiwi Fruit	Nectar-ines	Papayas	Peaches	Pears	Pine-apple	Plums & Prunes	Straw-berries	*All Others	Total
								Pounds									
1979	17.2	0.08	1.2	22.0	0.7	0.13	3.5	NA	1.4	0.17	5.4	2.3	1.5	1.7	1.9	0.2	59.4
1980	19.2	0.10	0.8	20.8	0.7	0.14	3.8	NA	1.6	0.21	5.7	2.6	1.5	1.6	2.0	0.4	61.1
1981	17.2	0.10	2.2	21.5	0.6	0.21	4.0	NA	1.5	0.22	5.5	2.9	1.6	1.8	2.2	0.3	61.8
1982	17.9	0.08	1.5	22.5	0.5	0.21	5.8	NA	1.4	0.16	4.0	2.9	1.7	1.1	2.4	0.2	62.2
1983	18.4	0.08	2.0	21.2	0.8	0.14	5.5	0.15	1.5	0.18	4.1	3.1	1.7	1.5	2.4	0.1	62.9
1984	18.4	0.13	2.2	22.1	0.7	0.12	6.5	0.15	1.5	0.26	5.4	2.6	1.5	2.0	3.1	0.6	67.6
1985	17.5	0.17	1.9	23.4	0.4	0.13	7.5	0.18	1.7	0.18	4.0	2.9	1.5	1.5	3.1	0.4	66.5
1986	18.3	0.10	1.0	25.7	0.5	0.14	7.3	0.20	1.4	0.18	4.7	3.0	1.8	1.4	3.0	0.5	69.2
1987	21.3	0.08	2.4	24.9	0.7	0.12	7.6	0.28	1.5	0.18	4.8	3.6	1.7	2.0	3.2	0.7	75.1
1988	18.9	0.11	1.6	24.2	0.5	0.15	7.4	0.26	1.5	0.15	5.1	3.1	1.8	1.8	3.5	0.3	70.4

*Includes: Figs, Mangoes, Olives, Persimmons, Pomegrantes and Other Fruit. NA: Not Available.
Source: USDA, Economic Research Service - Fruit Situation.

TABLE 44

UNITED STATES PRODUCTION OF SELECTED FRUITS COMPETING WITH CITRUS FRUITS
(1979 to 1988)

Year	Apples	Apri-cots	Cher-ries	Cran-berries	Grapes	Nectar-ines	Peaches	Pears	Plums* & Prunes	Straw-berries	Pine-apples	Avoc-cados	Canta-loupes	Water-melons
							1,000 tons						1,000 cwt	
1979	4,063	144	269	124	4,989	172	1,469	855	661	319	681	102	12,211	24,076
1980	5,509	129	364	135	5,595	191	1,534	897	821	351	657	269	11,890	22,716
1981	3,870	89	221	130	4,458	182	1,385	897	765	371	639	183	12,628	20,054
1982	4,061	118	312	152	6,555	178	1,143	804	573	442	670	237	13,879	21,759
1983	4,189	94	259	149	5,506	185	928	775	674	447	722	274	14,479	20,091
1984	4,167	127	318	166	5,194	183	1,330	710	687	495	600	230	15,349	23,013
1985	3,961	132	276	174	5,607	210	1,074	747	648	509	565	189	16,854	23,515
1986	3,967	55	250	182	5,226	172	1,164	766	491	510	646	303	19,676	21,790
1987	5,374	115	395	166	5,264	191	1,196	940	977	556	692	209	17,992	20,511
1988	4,579	102	304	201	5,984	200	1,310	861	750	583	659	183	15,176	24,606

*Fresh basis;
Source: USDA, Agricultural Statistics - Fruit Situation, Noncitrus Fruits and Nuts; Weekly Summary - Ornamental Crops.

TABLE 45

UNITED STATES PER CAPITA CONSUMPTION
FROZEN CITRUS JUICE
(1979 to 1988)

Year	Product Weight						
	Orange	Tangerines	Lemon	Lemonade Base	Limeade	Grapefruit	Total
	Pounds						
1979	8.60	0.06	0.05	0.51	0.08	0.51	9.81
1980	9.01	0.06	0.02	0.24	0.08	0.43	9.84
1981	8.55	0.09	0.04	0.37	-	0.66	9.71
1982	9.43	0.09	0.06	0.72	-	0.72	11.02
1983	10.99	0.02	0.04	0.38	-	0.66	12.09
1984	9.48	0.03	0.04	0.39	-	0.45	10.39
1985	10.25	0.03	0.05	0.48	-	1.00	11.81
1986	11.25	0.03	0.13	0.33	-	0.73	12.47
1987	10.14	0.04	0.07	0.35	-	1.01	11.61
1988	10.54	0.02	0.07	0.40	-	0.60	11.63

Product weight includes concentrated and single strength juices.
Concentrated fruit juices converted to single strength on basis of 3.525 pounds to 1; lemonade base 0.74 to 1.
Source: USDA, Economic Research Service - Fruit Situation.

TABLE 46

UNITED STATES CANNED CITRUS JUICES, s.s.
(1979-80 to 1988-89)

Season	Orange Juice			Grapefruit Juice			Orange & Grapefruit Blend			Tangerine and Tangerine Blend
	Calif. and Arizona	Florida	Texas	Calif. and Arizona	Florida	Texas	Calif. and Arizona	Florida	Texas	
	1,000 Cases (24 No. 2 cans)									
1979-80	2,079	13,869	2,419	4,018	16,604	3,606	138	1,314	82	17
1980-81	2,397	13,012	2,195	3,193	14,231	2,005	51	984	47	9
1981-82	1,169	11,503	1,057	2,811	15,725	1,894	43	727	42	6
1982-83	NA	9,802	NA	NA	11,651	NA	NA	650	NA	4
1983-84	NA	9,084	NA	NA	9,513	NA	NA	555	NA	NA
1984-85	NA	7,425	NA	NA	10,552	NA	NA	615	NA	NA
1985-86	NA	7,596	NA	NA	9,948	NA	NA	577	NA	NA
1986-87	NA	8,122	NA	NA	8,982	NA	NA	533	NA	NA
1987-88	NA	7,256	NA	NA	7,724	NA	NA	449	NA	NA
1988-89	NA	8,164	NA	NA	7,956	NA	NA	424	NA	NA

NA: Not Available.
Source: USDA - Agricultural Statistics; Florida Citrus Mutual - Annual Statistical Report.

TABLE 47

UNITED STATES EXPORTS - FRESH CITRUS FRUITS
(1979-80 to 1988-89)

Season	Canada	European Community	Western Europe	Eastern Europe (a)	Total Europe	Japan	Hong Kong	Other Far-Eastern Countries	Total Far East	Middle East	Others (b)	Total
					1,000 Carton Equivalent							
					ORANGES AND TANGERINES							
1979-80	10,988	5,078	329	-	5,407	4,477	6,761	1,672	12,910	214	692	30,211
1980-81	10,631	1,853	183	-	2,036	4,658	7,221	1,957	13,836	123	712	27,338
1981-82*	8,334	261	82	-	343	5,247	5,989	1,778	13,014	7	732	22,430
1982-83	10,254	1,796	195	-	1,991	5,494	7,391	3,035	15,920	48	835	29,048
1983-84	8,226	51	4	-	55	5,270	6,394	3,085	14,749	80	103	23,213
1984-85	7,905	562	20	-	582	7,040	7,134	2,986	17,160	2	79	25,728
1985-86	7,086	424	99	-	523	6,866	7,944	2,437	17,247	1	39	24,896
1986-87	6,965	1,102	156	-	1,258	7,625	6,532	2,503	16,660	7	36	24,926
1987-88	6,190	253	80	-	333	7,253	5,027	2,384	14,548	1	177	21,976
1988-89	5,463	NA	NA	-	NA	5,986	NA	NA	NA	-	NA	18,593
					LEMONS AND LIMES							
1979-80	1,063	1,591	240	832	2,663	5,901	253	19	6,173	-	79	9,978
1980-81	923	1,887	215	148	2,250	6,874	260	24	7,158	55	104	10,495
1981-82*	752	755	134	-	889	6,267	254	16	6,537	2	119	8,299
1982-83	693	573	109	-	682	6,625	296	27	6,948	7	178	8,508
1983-84	830	439	96	-	535	6,975	334	221	7,530	-	131	9,026
1984-85	809	613	53	-	666	6,662	(c)	612	7,274	-	48	8,797
1985-86	659	86	38	-	124	6,438	(c)	462	6,900	-	41	7,724
1986-87	478	220	18	-	238	7,521	(c)	614	8,135	-	33	8,884
1987-88	476	207	16	-	223	6,828	43	685	7,556	-	42	8,297
1988-89	NA	NA	NA	-	NA	NA	-	NA	NA	-	NA	NA
					GRAPEFRUIT							
1979-80	3,123	4,709	78	-	4,787	6,952	19	7	6,978	5	70	14,963
1980-81	2,814	4,456	88	-	4,544	8,707	23	11	8,741	1	169	16,269
1981-82*	2,551	4,113	113	-	4,226	7,471	29	4	7,504	-	77	14,358
1982-83	2,528	4,590	129	-	4,719	9,609	32	31	9,672	-	80	16,999
1983-84	2,282	3,706	150	-	3,856	8,120	46	153	8,319	3	17	14,477
1984-85	1,960	2,866	74	-	2,940	5,694	(c)	213	5,907	2	178	10,987
1985-86	1,473	4,356	139	-	4,495	8,417	(c)	504	8,921	-	5	14,894
1986-87	1,560	5,592	156	-	5,748	10,736	(c)	1,026	11,762	23	7	19,100
1987-88	2,028	7,702	157	-	7,859	13,318	(c)	2,190	15,508	4	10	25,409
1988-89	1,492	NA	NA	-	NA	14,282	-	NA	NA	-	NA	26,340

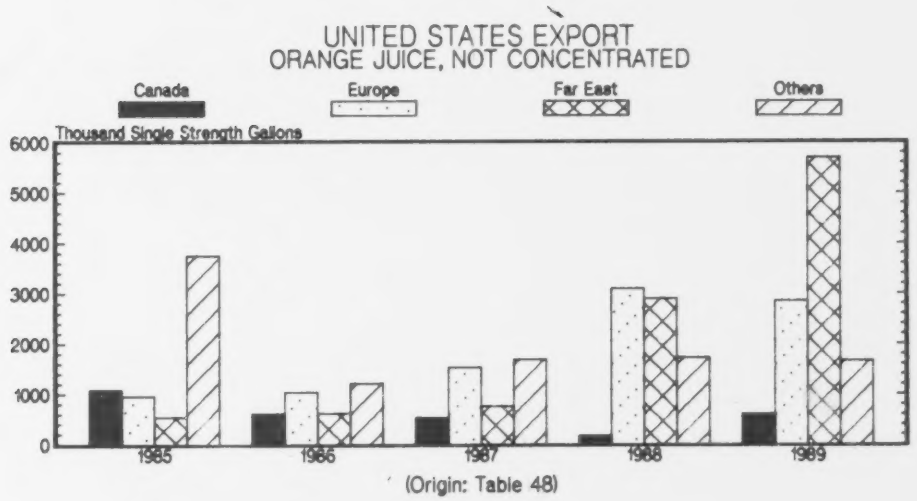
(a) Includes USSR. (b) Mexico, Central & South America, Caribbean, Africa, Australia and other Pacific Islands.
(c) Hong Kong included with other Far Eastern Countries. NA; Not Available.
*Beginning 1981-82, USDA report format was changed. Eastern Europe, Middle East, Austrailia and other Pacific countries were not specified. Figures for other Far Eastern, Middle East and others countries were taken from EM546.
Carton Weights: Oranges - 35lbs.; Lemons & Limes - 38lbs.; Grapefruit - 40lbs.
Source: USDA - Foreign Agriculture Circular.

TABLE 48

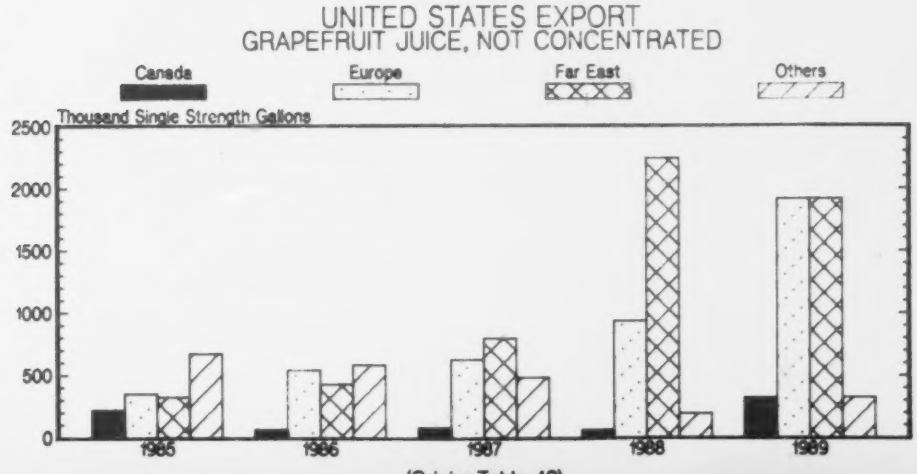
UNITED STATES EXPORTS - SELECTED CITRUS JUICES - NOT CONCENTRATED
(1980 to 1989)

Year	Canada		Europe		Far East		Others		Total	
	Orange	Grape-fruit	Orange	Grape-fruit	Orange	Grape-fruit	Orange	Grape-fruit	Orange	Grape-fruit
	1,000 Single Strength Gallons									
1980	3,412	2,223	3,231	917	866	317	2,521	604	10,030	4,061
1981	2,058	1,608	3,368	957	909	339	2,745	746	9,080	3,650
1982	1,340	1,186	2,342	921	1,747	513	2,353	576	7,782	3,196
1983	943	1,026	1,838	752	1,268	479	2,309	453	6,358	2,710
1984	802	268	1,629	647	630	363	2,065	435	5,126	1,713
1985	1,084	220	964	351	541	324	3,753	673	6,342	1,568
1986	614	67	1,039	542	618	428	1,210	584	3,481	1,621
1987	530	80	1,530	626	759	798	1,686	483	4,505	1,987
1988	169	61	3,093	936	2,896	2,245	1,723	192	7,881	3,434
1989	597	317	2,848	1,914	5,691	1,915	1,662	324	10,798	4,470

Source: U.S. Bureau of the Census - Reports Numbered EM522, EM545 & EM546.



(Origin: Table 48)



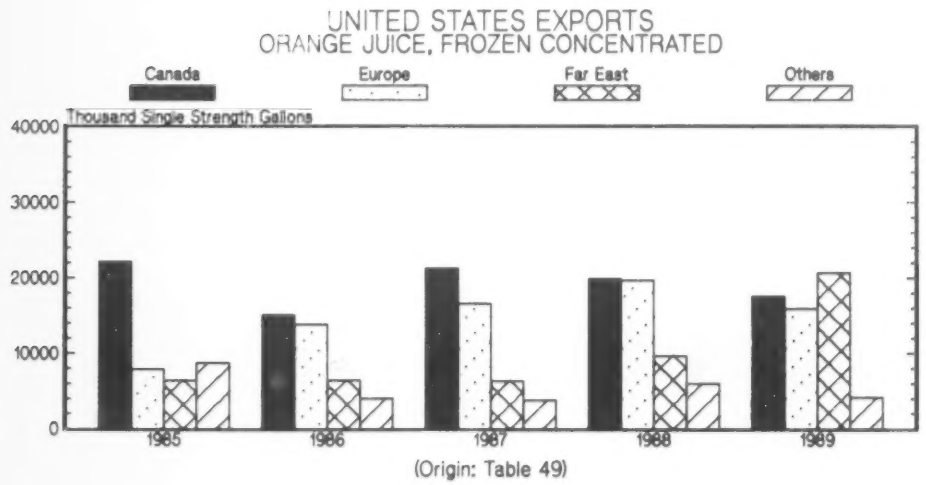
(Origin: Table 48)

TABLE 49

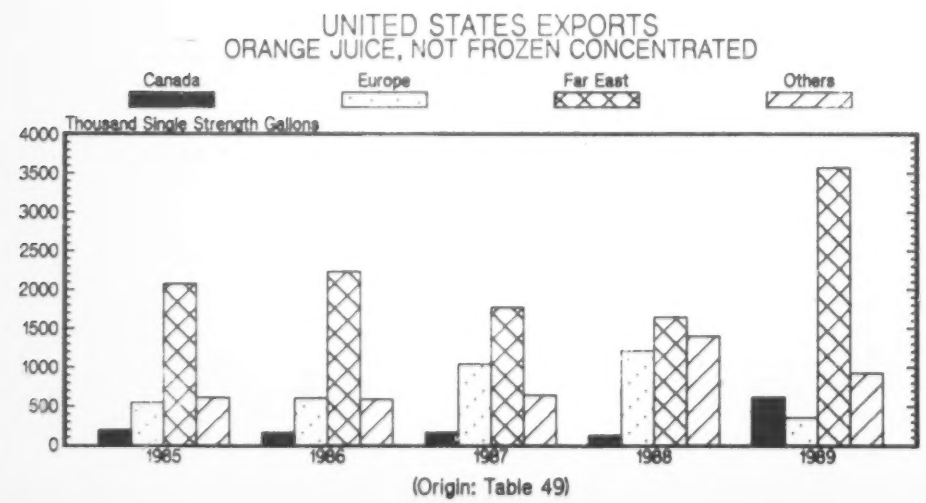
UNITED STATES EXPORTS - ORANGE JUICE CONCENTRATE
(1980 to 1989)

Year	Canada		Europe		Far East		Others		Total	
	Not Frozen	Frozen	Not Frozen	Frozen	Not Frozen	Frozen	Not Frozen	Frozen	Not Frozen	Frozen
	1,000 Single Strength Gallons									
1980	2,263	33,743	2,262	21,747	2,116	7,139	1,040	3,611	7,681	66,240
1981	1,054	35,293	3,135	27,944	1,543	7,529	983	4,500	6,715	75,266
1982	742	28,551	2,738	20,371	2,200	9,897	1,018	2,887	6,698	61,706
1983	671	34,073	1,457	21,836	2,555	10,699	901	4,926	5,584	71,534
1984	463	29,131	1,381	16,532	1,975	6,582	737	10,279	4,556	62,524
1985	195	22,139	546	7,886	2,076	6,384	610	8,735	3,427	45,144
1986	159	15,080	603	13,835	2,235	6,430	587	4,005	3,584	39,350
1987	162	21,249	1,039	16,621	1,769	6,328	641	3,788	3,611	47,986
1988	125	19,891	1,213	19,698	1,647	9,665	1,400	6,005	4,385	55,259
1989	612	17,526	355	15,909	3,573	20,686	926	4,172	5,466	58,293

Source: U.S. Bureau of the Census - Reports Numbered EM522, EM545 & EM546.



(Origin: Table 49)



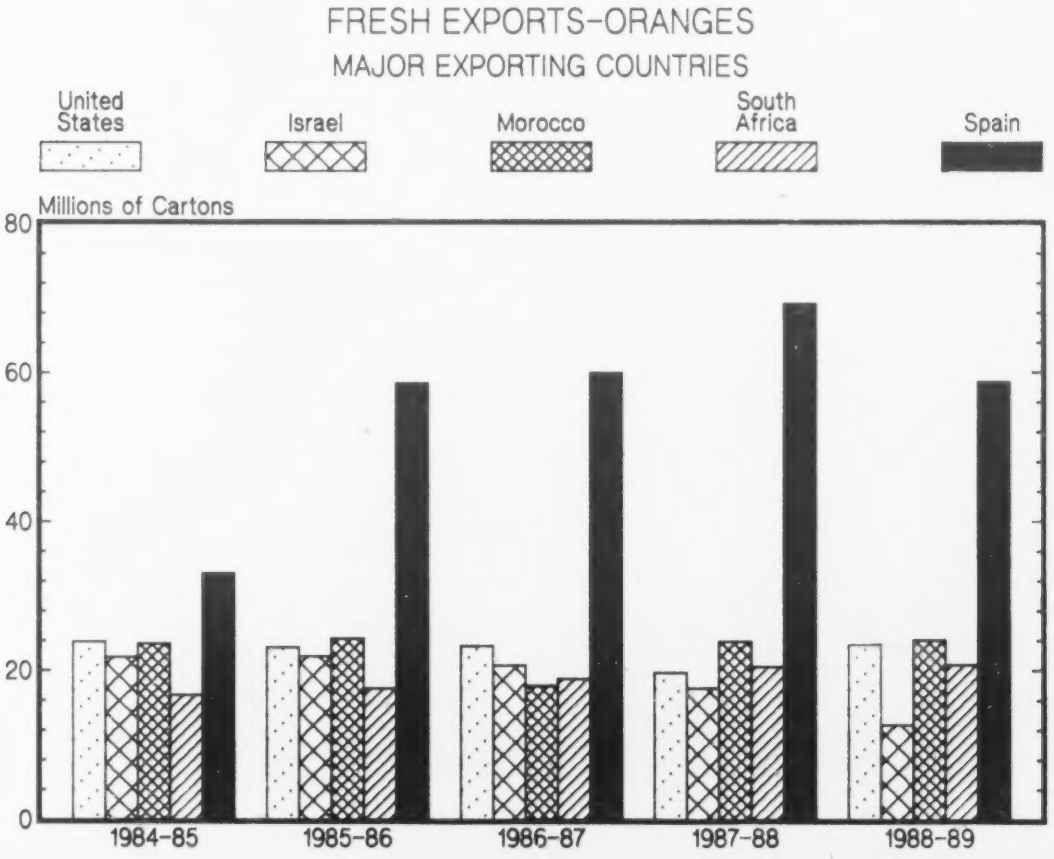
(Origin: Table 49)

TABLE 50

FRESH EXPORTS - ORANGES
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5lbs.)				
Northern Hemisphere					
Cuba	14,725	15,547	15,253	15,547	16,133
Cyprus	6,336	6,864	7,451	5,691	6,629
Egypt	9,328	8,624	9,093	12,555	8,800
Gaza*	5,397	6,571	8,624	4,693	7,157
Greece	14,373	13,845	11,851	9,856	9,387
Israel	21,765	21,941	20,709	17,600	12,672
Italy	8,448	8,155	8,859	8,800	10,560
Lebanon	3,813	3,813	-	-	-
Mexico	59	645	645	528	587
Morocco	23,643	24,288	18,011	23,936	24,053
Spain	32,971	58,549	59,899	69,168	58,667
Turkey	3,109	2,640	3,168	3,931	3,520
United States**	23,877	23,115	23,291	19,653	23,467
Total	167,844	194,597	186,854	191,958	181,632
Southern Hemisphere					
Argentina	3,227	2,581	3,637	4,400	4,107
Aaustralia	1,877	2,640	2,757	2,640	3,109
Brazil	4,752	5,163	4,752	5,280	5,867
South Africa*	16,661	17,600	18,949	20,533	20,827
Uruguay	1,995	2,112	1,936	2,171	2,229
Total	28,512	30,069	32,031	35,024	36,139
Grand Total	196,356	224,666	218,885	226,982	217,771

*Includes Tangerines; **Includes Temples
Source: USDA - FAC



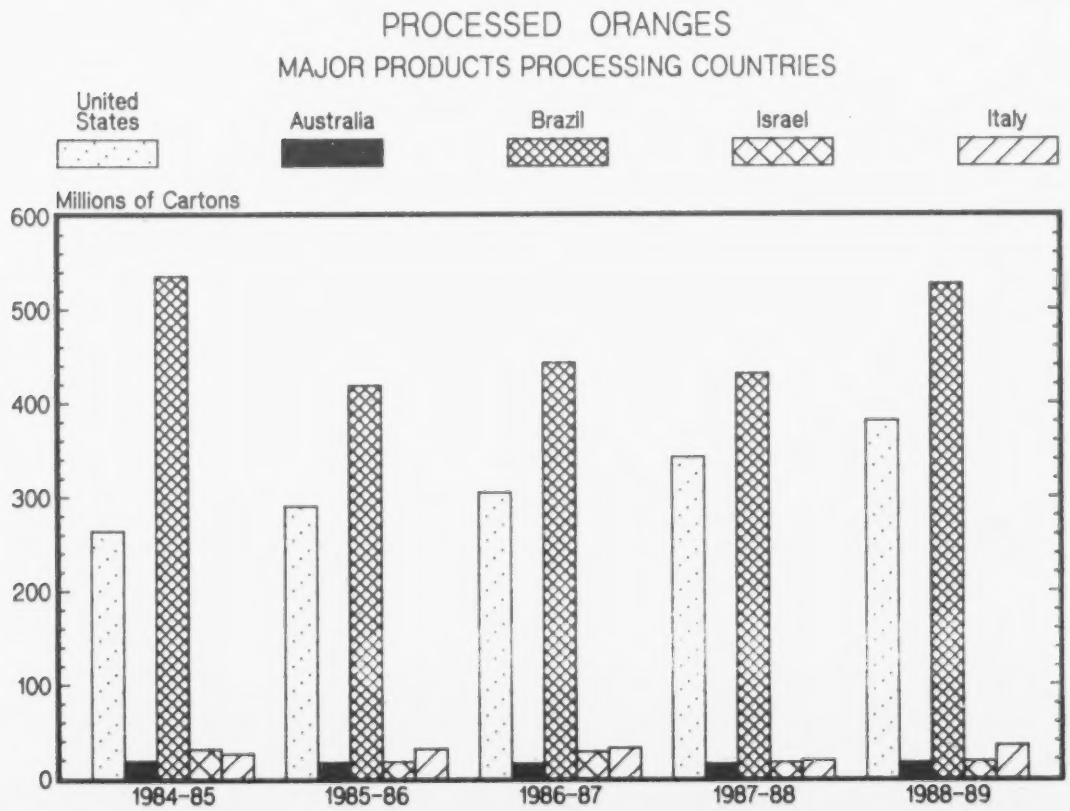
(Origin: Table 50)

TABLE 51

PROCESSED ORANGES
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5 lbs.)				
Northern Hemisphere					
Cuba	5,280	5,867	6,453	6,747	7,333
Cyprus	1,291	1,291	2,581	1,173	1,819
Egypt	411	411	469	469	587
Gaza*	1,525	-	-	-	-
Greece	9,680	3,520	8,683	4,635	7,333
Israe	31,269	17,893	28,395	16,955	18,128
Italy	26,400	31,680	32,267	18,773	35,200
Japan	59	176	117	117	176
Mexico	4,107	17,072	20,123	23,467	19,947
Morocco	7,099	8,507	2,699	13,317	12,320
Spain	13,493	9,563	8,213	6,923	7,333
Turkey	5,632	2,933	4,400	4,107	4,400
United States**	264,176	290,517	305,125	342,379	381,333
Total	370,422	389,430	419,525	439,062	495,909
Southern Hemisphere					
Argentina	7,627	8,800	11,733	11,733	11,147
Australia	18,773	17,131	16,016	15,547	17,013
Brazil	535,685	418,880	442,933	431,200	526,827
Chile	293	293	-		-
South Africa*	8,213	5,632	10,091	12,320	11,733
Uruguay	235	293	235	176	176
Total	570,826	451,029	481,008	470,976	566,896
Grand Total	941,248	840,459	900,533	910,038	1,062,805

*Includes Tangerines; ** Includes Temples
Source: USDA - FAC



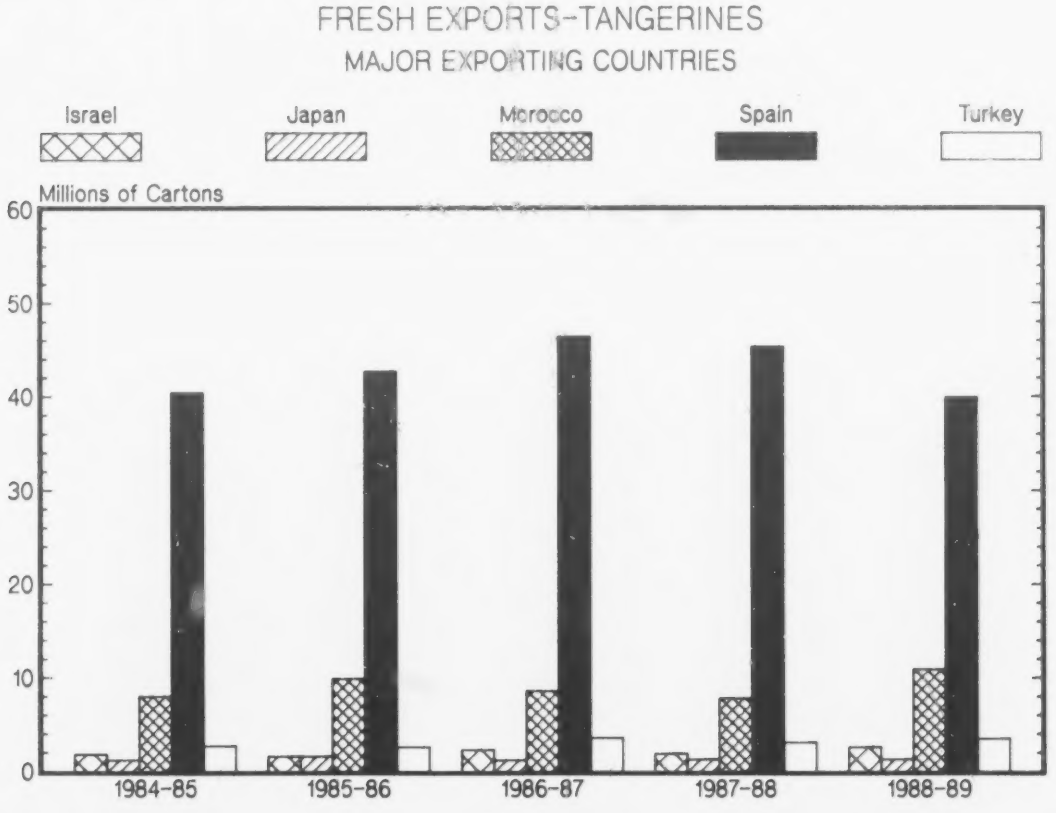
(Origin: Table 51)

TABLE 52

FRESH EXPORT - TANGERINES
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5 lbs.)				
Northern Hemisphere					
Cuba	410	528	411	293	469
Cyprus	59	117	117	117	117
Greece	59	117	59	59	117
Israel	1,819	1,584	2,347	1,877	2,640
Italy	176	1,115	1,056	528	411
Japan	1,232	1,584	1,232	1,349	1,291
Lebanon	1,173	1,173	-	-	-
Mexico	293	411	469	528	587
Morocco	7,979	9,915	8,624	7,803	10,853
Spain	40,363	42,709	46,405	45,349	39,893
Turkey	2,699	2,581	3,637	3,109	3,520
United States	939	528	880	880	1,525
Total	57,201	62,362	65,237	61,892	61,423
Southern Hemisphere					
Argentina	235	469	587	587	880
Australia	176	176	235	176	293
Brazil	352	411	352	352	352
Uruguay	411	469	469	352	411
Total	1,174	1,525	1,643	1,467	1,936
Grand Total	58,375	63,887	66,880	63,359	63,359

Source: USDA - FAC



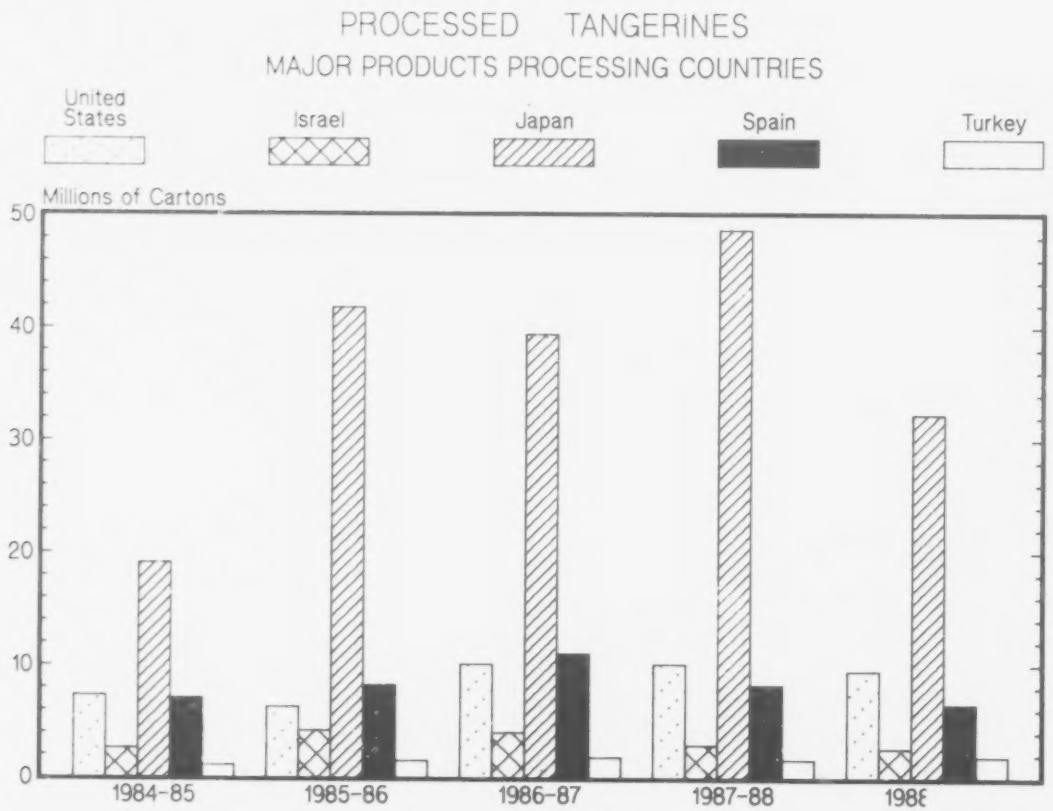
(Origin: Table 52)

TABLE 53

PROCESSED TANGERINES
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (37.5 lbs.)				
Northern Hemisphere					
Egypt	176	176	176	235	235
Greece	117	59	59	59	59
Israel	2,640	4,165	3,989	2,933	2,640
Italy	997	1,173	1,173	939	1,760
Japan	19,067	41,771	39,424	48,693	32,267
Mexico	293	704	587	880	880
Morocco	1,349	1,701	-	1,291	2,640
Spain	7,040	8,213	10,971	8,213	6,453
Turkey	1,114	1,525	1,760	1,643	1,877
United States	7,333	6,336	10,149	10,091	9,504
Total	40,126	65,823	68,288	74,977	58,315
Southern Hemisphere					
Argentina	176	176	176	235	235
Australia	293	293	293	293	352
Total	469	469	469	528	587
Grand Total	40,595	66,292	68,757	75,505	58,902

Source: USDA - FAC



(Origin: Table 53)

TABLE 54

FRESH EXPORTS - LEMONS
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (38 lbs.)				
Northern Hemisphere					
Cyprus	1,332	2,142	1,968	1,737	1,968
Gaza	695	811	753	579	579
Greece	4,574	5,732	3,068	347	1,158
Israel	1,273	1,158	1,042	926	347
Italy	10,653	8,916	4,458	4,921	5,500
Lebanon	868	868	-	-	-
Morocco	116	116	58	58	58
Spain	13,026	17,368	21,653	23,737	21,421
Turkey	5,905	3,474	6,426	5,211	5,789
United States	8,626	7,526	8,742	8,047	8,221
Total	47,068	48,111	48,168	45,563	45,041
Southern Hemisphere					
Argentina	3,879	1,679	2,316	3,300	1,737
Australia	232	174	116	58	116
Chile	463	289	116	58	116
South Africa	1,795	1,563	1,447	1,447	1,389
Uruguay	926	984	926	579	1,042
Total	7,295	4,689	4,921	5,442	4,400
Grand Total	54,363	52,800	53,086	51,005	49,441

Source: USDA - FAC

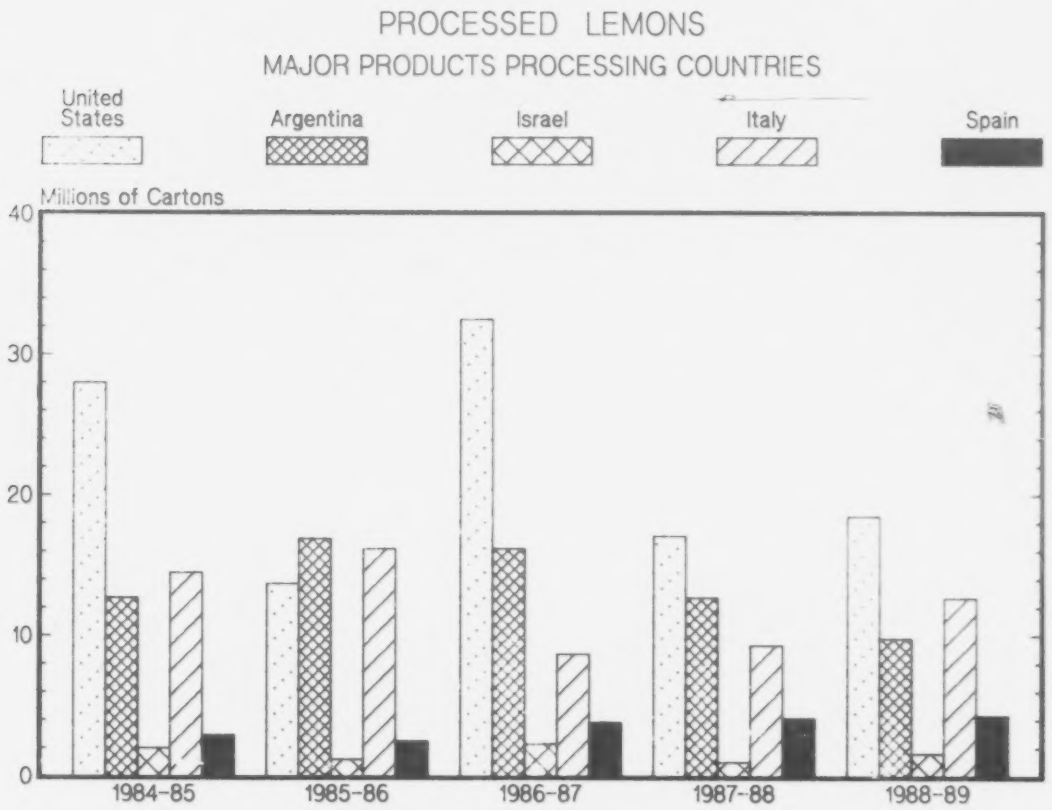
(Origin: Table 54)

TABLE 55

PROCESSED LEMONS
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
		/ 1,000 Cartons (38 lbs.)			
Northern Hemisphere					
Cyprus	289	289	579	347	405
Greece	1,100	1,447	1,273	463	1,447
Israel	2,026	1,216	2,257	1,042	1,563
Italy	14,474	16,211	8,684	9,263	12,737
Mexico	174	521	521	521	521
Morocco	-	-	-	116	116
Spain	2,895	2,489	3,763	4,053	4,342
Turkey	1,447	1,042	1,447	1,274	1,621
United States	28,021	13,721	32,479	17,137	18,526
Total	50,426	36,936	51,003	34,216	41,278
Southern Hemisphere					
Argentina	12,736	16,905	16,211	12,737	9,842
Australia	1,621	1,332	1,158	1,100	1,216
Brazil	926	926	2,026	2,026	2,026
Chile	116	174	-	-	-
South Africa	1,274	1,274	1,795	1,852	1,852
Total	16,673	20,611	21,190	17,715	14,936
Grand Total	67,099	57,547	72,193	51,931	56,214

Source: USDA - FAC



(Origin: Table 55)

TABLE 56

FRESH EXPORT - GRAPEFRUIT
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (33.5 lbs.)				
Northern Hemisphere					
Cuba	7,487	10,507	10,179	10,507	11,164
Cyprus	4,597	4,531	5,254	4,597	4,991
Gaza	131	722	788	591	591
Israel	7,881	8,669	8,669	7,487	7,355
Italy	66	66	66	66	66
Lebanon	328	328	-	-	-
Mexico	131	66	525	985	657
Spain	328	525	394	460	591
Turkey	1,182	854	1,248	1,051	985
United States	13,069	17,731	22,788	30,340	31,522
Total	35,200	43,999	49,911	56,084	57,922
Southern Hemisphere					
Argentina	1,510	1,904	2,233	2,167	1,839
Australia	-	66	66	66	66
South Africa	4,137	3,875	4,400	4,729	4,466
Uruguay	131	197	131	131	131
Total	5,778	6,042	6,830	7,093	6,502
Grand Total	40,978	50,041	56,741	63,177	64,424

Source: USDA - FAC

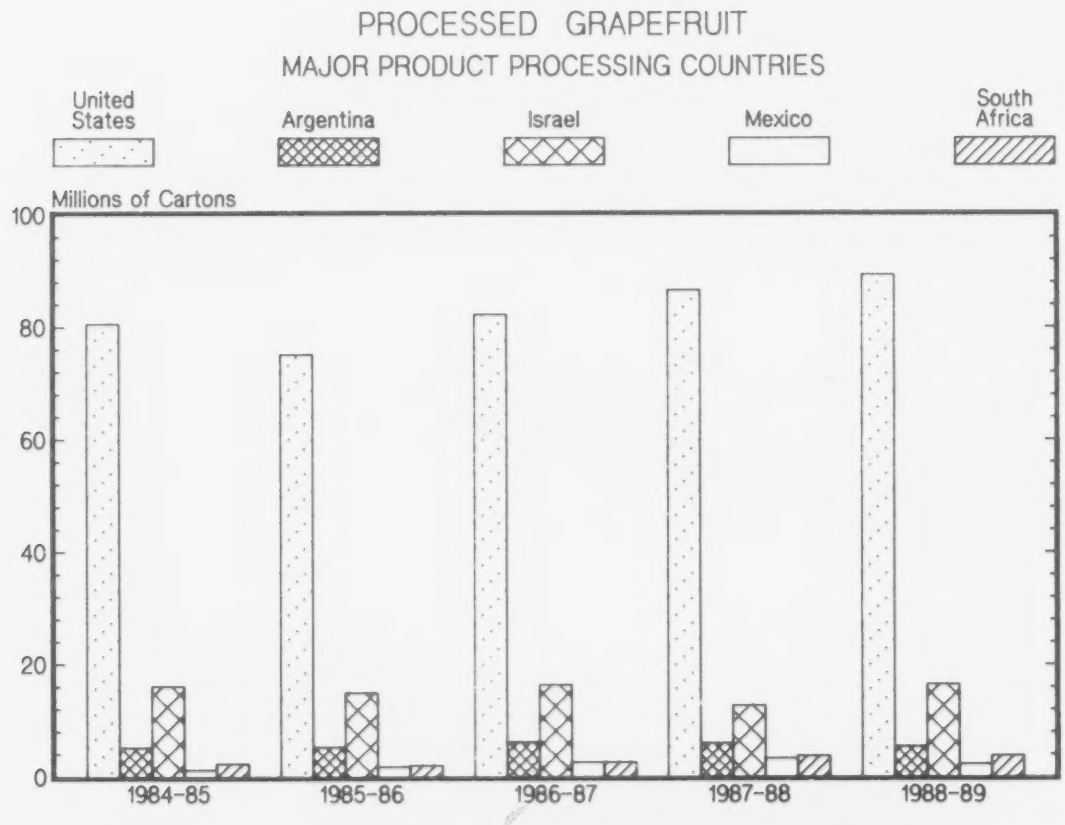
(Origin: Table 56)

TABLE 57

PROCESSED GRAPEFRUIT
Selected Countries
(1984-85 to 1988-89)

Country	1984-85	1985-86	1986-87	1987-88	1988-89
	1,000 Cartons (33.5 lbs.)				
Northern Hemisphere					
Cuba	1,313	2,955	2,955	3,284	3,940
Cyprus	919	1,248	1,707	1,445	1,510
Gaza	525	328	-	-	-
Greec	197	197	197	197	197
Israel	16,090	15,039	16,352	12,675	16,549
Mexico	1,248	1,839	2,561	3,349	2,299
Morocco	66	131	131	131	131
Spain	66	66	131	131	197
Turkey	66	131	197	197	197
United States	80,579	75,063	82,221	86,490	89,313
Total	101,069	96,997	106,452	107,899	114,333
Southern Hemisphere					
Argentina	5,254	5,254	6,239	5,976	5,385
Australia	1,707	1,445	1,313	1,116	1,313
Brazil	1,248	1,116	1,773	1,445	1,445
South Africa	2,167	2,036	2,561	3,743	3,809
Total	10,376	9,851	11,886	12,280	11,952
Grand Total	111,445	106,848	118,338	120,179	126,285

Source: USDA - FAC



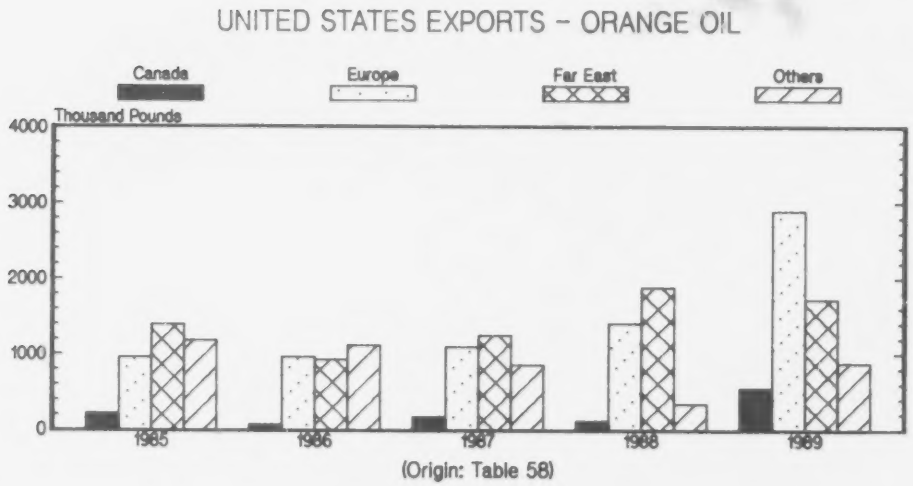
(Origin: Table 57)

TABLE 58

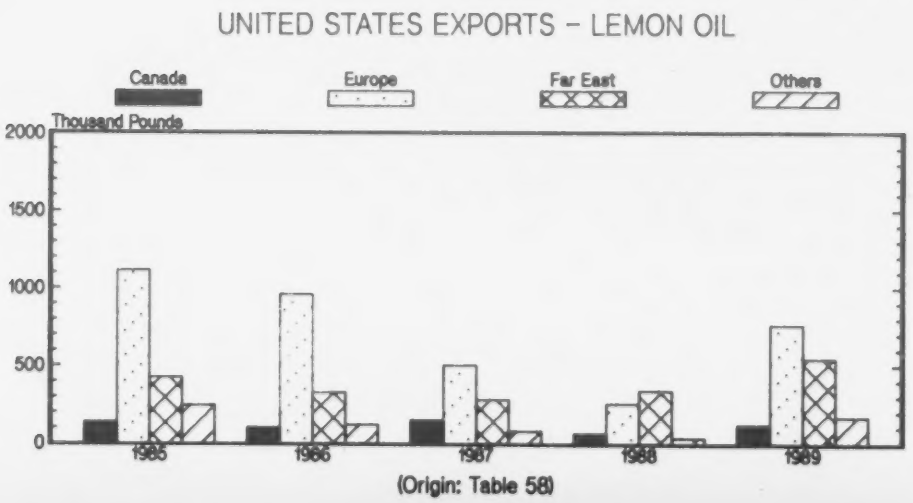
UNITED STATES EXPORTS - ORANGE AND LEMON OIL
(1980 to 1989)

Year	Orange Oil					Lemon Oil				
	Canada	Europe	Far East	Others	Total	Canada	Europe	Far East	Others	Total
	1,000 Pounds									
1980	93	3,575	3,498	742	7,908	88	576	177	214	1,055
1981	170	2,875	3,442	816	7,303	53	517	415	117	1,102
1982	110	3,148	1,770	748	5,776	139	619	240	145	1,143
1983	75	2,542	1,354	1,111	5,082	106	1,119	747	59	2,031
1984	133	2,225	1,288	1,132	4,778	135	775	1,320	312	2,542
1985	216	960	1,393	1,184	3,753	137	1,115	424	244	1,920
1986	67	962	929	1,120	3,078	101	962	329	120	1,512
1987	168	1,096	1,248	859	3,371	150	505	281	78	1,014
1988	117	1,406	1,884	343	3,750	65	257	340	36	698
1989	545	2,895	1,725	883	6,048	121	764	547	171	1,603

Source: USDC, Bureau of Census, US Exports - EM522, EM545 & EM546.



(Origin: Table 58)



(Origin: Table 58)

TABLE 59

UNITED STATES IMPORTS - FRESH AND PREPARED CITRUS FOR CONSUMPTION
(1980 to 1989)

YEAR	ORANGES	GRAPEFRUIT	LEMONS	LIMES	OTHERS	TOTAL
			1,000 Pounds			
1980	99,412	22,001	318	38,149	33,553	193,433
1981	94,045	15,221	312	46,890	38,514	194,982
1982	96,606	16,175	12,658	23,602	33,977	183,018
1983	93,174	12,436	3,647	36,557	44,321	190,135
1984	141,661	20,660	13,192	49,417	19,656	244,586
1985	153,051	21,815	25,022	70,147	17,252	287,287
1986	149,941	37,073	20,385	56,640	31,836	295,875
1987	163,684	36,933	16,214	71,078	34,735	322,644
1988	139,199	19,967	16,869	97,144	37,307	310,486
1989	22,905	21,534	18,916	87,865	154,430	378,554

Source: USDC - U.S. Foreign Trade: FT246, IM146 - Imports TSUSA

TABLE 60

UNITED STATES IMPORTS - CITRUS PRODUCTS FOR CONSUMPTION
(1980 to 1989)

	Juice					Oil				Peel*	
	Concentrated			Not Concentrated							
Year	Orange	Lime	Other	Lime	Other	Orange	Grapefruit	Lemon	Lime	Orange	Lemon
	1,000 Gallons					1,000 Pounds					
1980	100,014	1,370	1,943	26	1,008	4,969	39	1,898	1,413	978	141
1981	214,231	883	1,296	34	10,097	4,658	93	706	1,172	1,036	190
1982	396,072	1,039	9,702	15	3,102	4,139	66	983	714	1,677	153
1983	364,769	317	3,617	5	5,597	9,638	110	1,645	1,354	2,033	148
1984	558,118	789	4,088	17	18,226	6,980	37	1,363	1,188	1,355	171
1985	581,427	503	7,442	45	1,466	9,845	136	2,200	1,373	1,232	82
1986	547,041	1,504	28,878	38	2,349	7,291	213	2,021	1,393	1,542	198
1987	521,558	454	13,945	23	2,240	11,134	248	1,402	1,678	2,235	183
1988	409,057	945	11,402	22	4,422	12,531	187	1,641	1,917	1,846	173
1989	381,097	1,997	13,008	14	8,132	11,228	132	1,571	1,380	248	12

*Includes prepared, preserved, crude, dried or in brine.
Source: USDC - U.S. Foreign Trade: FT246, IM146 - Imports TSUSA

TABLE 61

NUMERICAL CLASSIFICATION OF THE UNITED STATES
FOR TARIFFS AND TRADE DATA
ON SELECTED FRESH CITRUS PRODUCTS

Commodity Description	Import and Tariff Schedule 1/	Export Schedule 2/
Oranges		
Temple Oranges	0805.10.00 20	0805.10.0020
Other	0805.10.00 40	0805.10.0040
Mandarines; Clementine, wilkings and similar citrus hybrids		
Tangerines	0805.20.00 20	0805.20.0020
Other	0805.20.00 40	0805.20.0040
Lemons and Limes		
Lemons	0805.30.20 00	0805.30.2000
Limes	0805.30.40 00	0805.30.4000
Grapefruit		
August - September	0805.40.40 00	0805.40.0000
October	0805.40.60 00	0805.40.0000
November - July	0805.40.80 00	0805.40.0000
Other Fresh Citrus		
Includes Kumquats, citrons and bergamots	0805.90.00 00	0805.90.0000

1/ Harmonized Tariff Schedule of the United States. Only the first eight digits are used for tariff classification. Ten digits are used for statistical reporting purposes such as on imports of the United States.

2/ Schedule B - Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

TABLE 62

NUMERICAL CLASSIFICATION OF THE UNITED STATES
FOR TARIFFS AND TRADE DATA
ON SELECTED PROCESSED CITRUS PRODUCTS

Commodity Description	Import and Tariff Schedule 1/	Export Schedule 2/
Citrus Fruit Paste and Puree	2007.91.10 00	2007.91.1000
Citrus Juices - Juice of Single Citrus Fruit		
Orange Juice		
Frozen		
In containers each holding less than 0.946 liters (1 quart).	2009.11.00 20	2009.11.0020
In containers each holding 0.946 liters (1 quart) or more but not more than 3.785 liters (1 gallon).	2009.11.00 40	2009.11.0040
In containers of more than 3.785 liters (1 gallon).	2009.11.00 60	2009.11.0060
Other		
Not concentrated and not made from a juice having a degree of concentration of 1.5 or more (as determined before correction to the nearest 0.5 degree)	2009.19.20 00	2009.19.2000
Other	2009.19.40 00	2009.19.4000
Grapefruit Juice		
Not concentrated and not made from a juice having a degree of concentration of 1.5 or more (as determined before correction to the nearest 0.5 degree)	2009.20.20 00	2009.20.2000
Other		
Frozen	2009.20.40 20	2009.20.4020
Other	2009.20.40 40	2009.20.4040
Lime Juice		
Unfit for beverage purposes		
Not concentrated	2009.30.10 20	2009.30.3000
Concentrated	2009.30.10 40	2009.30.8000
Other		
Not concentrated	2009.30.20 20	2009.30.3000
Concentrated	2009.30.20 40	2009.30.8000
Juice of Any Other Single Citrus Fruit (Includes Lemon Juice)		
Not Concentrated	2009.30.40 00	2009.30.3000
Concentrated		
Lemon juice		
Frozen	2009.30.60 20	2009.30.6020
Other	2009.30.60 40	2009.30.6040
Other	2009.30.60 60	2009.30.8000
Preparations for the Manufacture of Beverages:		
Containing sugar from sugar cane and/or sugar beets	2106.90.60 72	2106.90.6070
Other	2106.90.60 74	2106.90.6070
Lemonade	2202.90.90 90	2202.90.9090
Essential Oils of Citrus Fruit		
Bergamot	3301.11.00 00	3301.11.0000
Orange	3301.12.00 00	3301.12.0000
Lemon	3301.13.00 00	3301.13.0000
Lime	3301.14.00 00	3301.14.0000
Grapefruit	3301.19.10 00	3301.19.0000
Other	3301.19.50 00	3301.19.0000

1/ Harmonized Tariff Schedule of the United States. Only the first eight digits are used for tariff classification. Ten digits are used for statistical reporting purposes such as on imports of the United States.

2/ Schedule B - Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

TABLE 63 (Continued)

U.S. Customs Duties on Selected Fresh and Processed Citrus Fruit Products

Commodity Description	Rates of Duty		
	General [1]	Special [2]	Other [3]
Lime Juice			
Unfit for beverage purpose	2.76¢/kg [1.25/lb]	Free (E,IL) 2.2/kg [1.0¢/lb] (CA)	11¢/kg [5¢/lb]
Other	2.6¢/liter [2.5¢/qt]	Free (E,IL) 2.0¢/liter [2.1¢/qt] (CA)	18¢/liter [17¢/qt]
Juice of Any Other Single Citrus Fruit (includes Lemon Juice)			
Not concentrated	5.3¢/liter [5.0¢/qt]	Free 4.2¢/liter [4.4¢/qt] (CA)	18¢/liter [17¢/qt]
Concentrated	9.25¢/liter [8.79¢/qt]	Free (E)	18¢/liter [17¢/qt]
Preparations for the Manufacture of Beverages	10%	Free (A,E,IL) 8% (CA)	20%
Lemonade	0.3¢/liter [0.3¢/qt]	Free (A,E,IL) 0.2¢/liter [0.2¢/qt] (CA)	0.4¢/liter [0.4¢/qt]
Essential Oils of Citrus Fruit			
Bergamot	Free	---	Free
Orange	6%	Free (A*,E,IL) 4.8% (CA)	25%
Lemon	8.5%	Free (E,IL) 6.8% (CA)	25%
Lime	Free	---	Free
Grapefruit	6%	Free (A,E,IL) 4.8% (CA)	25%
Other	Free	---	Free

Note: Customs duties in [ ] are conversions from metric unit of account.

1/ Applicable to products of these countries which are not entitled to special tariff treatment.

2/ Rates of duty under one or more special tariff treatment programs identified in parenthesis immediately following the duty rate specified. The programs under which special tariff treatment may be provided for the specified commodities and the corresponding symbols for such programs are as follows:

Generalized System of Preference	A or A*
United States-Canada Free Trade Area	CA
Caribbean Basin Economic Recovery Act	E
United States-Isreal Free Trade Area	IL

3/ The rates of duty currently apply to products of the following countries:

Afghanistan	Cuba	German Democratic Republis	Latvia	North Korea	Union of Soviet Socialist Republics
Albania	Czechoslovaka		Lithuania	Romania	
Bulgaria	Estonia	Laos	Mongolia	Vietnam	

TABLE 63

U.S. CUSTOMS DUTIES ON SELECTED FRESH AND PROCESSED CITRUS FRUIT PRODUCTS

Commodity Description	Rates of Duty		
	General 1/	Special 2/	Other 3/
Oranges, Mandarins (including Tangerines and Satsumas); Clementines, Wilkins and Similar Citrus Hybrids - Fresh	2.2¢/kg [0.1¢/lb]	Free (E, IL) 1.7¢/kg [0.8¢/lb] (CA)	2.2¢/kg [0.1¢lb]
Lemons - Fresh	2.75¢/kg [1.25¢/lb]	Free (E,IL) 1.6¢/kg [0.7¢/lb] (CA) Free (CA,E,IL)	5.5¢/kg [2.5¢/lb]
Limes - Fresh	2.2¢/kg [0.1¢/lb]	Free (CA,E,IL)	4.4¢/kg [0.2¢/lb]
Grapefruit - fresh			
August 1 - September 30	2.2¢/kg [0.1¢/lb]	Free (E) 0.7¢/kg [0.3¢/lb] (IL) 1.3¢/kg [0.6¢/lb] (CA)	3.3¢/kg [1.5¢/lb]
October 1 - October 31	1.8¢/kg [0.8¢/lb]	Free (E) 0.5¢/kg [0.2¢/lb] (IL) 1.0¢/kg [0.4¢/lb] (CA)	3.3¢/kg [1.5¢/lb]
November 1 - July 31	2.9¢/kg [1.3¢/lb]	Free (E) 0.9¢/kg [0.4¢/lb] (IL) 1.7¢/kg [0.8¢/lb] (CA)	3.3¢/kg [1.5¢/lb]
Other Fresh Citrus (including Kumquats, Citrons & Bergamots	0.9%	Free (A,E,IL) 0.5% (CA)	35%
Citrus Fruit Puree	17.5%	Free (E,IL) 14% (CA)	35%
Orange Juice			
Frozen	9.25¢/liter [8.79¢/qt]	Free (E) 7.4¢/liter [7.0¢/qt] (CA)	18¢/liter [17¢/qt]
Not Frozen			
Not concentrated & not made from a juice having a degree of concentration of 1.5 or more (as determined before correction to the nearest 0.5 degree)	5.3¢/liter [5.0¢/qt]	Free (E) 4.2¢/liter [4.0¢/qt] (CA)	18¢/liter [17¢/qt]
Other	9.25¢/liter [8.79¢/qt]	Free (E) 7.4¢/liter [7.0¢/qt] (CA)	18¢/liter [17¢/qt]
Grapefruit Juice			
Not concentrated & not made from a juice having a degree of concentration of 1.5 or more (as determined before correction to the nearest 0.5 degree)	5.3¢/liter [5.0¢/qt]	Free (E) 4.2¢/liter [4.0¢/qt] (CA)	18¢/liter [17c/qt]
Other	9.25¢/liter [8.79¢/qt]	Free (E) 7.4¢/liter [7.0¢/qt] (CA)	18¢/liter [17¢/qt]